





The

# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

345  
EXLI

MARCH 18, 1944

Annual Subscription (with  
Diary) 25/- Single Copies 9d.

INTERESTING EVENTS IN PHARMACY No 26



1627

1691

**ROBERT BOYLE**

*Irish Chemist and Philosopher*

Influenced by Galileo, Bacon, Descartes and Newton, Boyle was one of the greatest men of his time. A founder member of the Royal Society he is still remembered by his work on the pressure of Gases (Boyle's Law). He died in London and was buried in St. Martin's-in-the-Fields.

**BURGOYNE BURBIDGES**

Established 1741. & COMPANY LIMITED, LONDON. E.6



# *Parke, Davis & Co.*

ask for the indulgence  
of pharmacists towards  
the firm's endeavours  
to secure, on the . . .  
basis of their customers'  
1939 orders, a fair . . .  
distribution of . . .  
their own officially  
restricted stocks . . .



50 BEAK STREET, LONDON, W.1

*Inc. U.S.A. Liability Ltd.*

**Milton Bulletin No. 20**

**P.A.T.A.**

## TRANSPORT AND SUPPLIES

With the heavy demands upon the railways for war purposes delays in transit are inevitable. The difficulty we are already experiencing in getting goods away may increase in the next few months, and we would ask your kind indulgence in the matter.

Adequate supplies of all Milton products are available in our factories. In view of the present situation we would recommend you to cover your requirements for the next few months. By ordering now you will ensure minimum delay and make certain of being able to serve your customers when the need arises.

Remember, "Milton" is recommended by the water undertakings for emergency water sterilisation, and is used in the hospital treatment of wounds and burns. This type of antiseptic was recommended by the Horder Committee for the sterilisation of air in air-raid shelters.

*Milton Antiseptic, 8d. and 1/11½d. Milton Denture Powder, 1/3d. and 2/2d.*

*Milton Ointment, 7d. and 1/11½d. Milton Dental Cream, 1/2d.*

*(The above prices include Purchase Tax.)*

*Milton Nasal Sprays, 3/6d.*

**All Milton products may be included  
in the £2 and £5 Bonus Parcels.**

**Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks**



# BIOLOGICAL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTE IDENTICAL WITH THAT OF PRE-WAR PREPARATIONS

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

	Retail Price	CHEMISTS' PRICE					
		Per unit			Per dozen		
	(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
<b>ANTIPEOL</b>							
OINTMENT 4 oz. tube .. .. .	6/8½	4/2½	+	8½	50/5	+	8
40 gr. " .. .. .	3/4½	2/1½	+	4½	25/3	+	4
20 gr. " .. .. .	1/10½	1/2	+	2½	14/-	+	2
LIQUID 40 c.c. bottle .. .. .	3/4½	2/1½	+	4½	25/3	+	4
<b>OPHTHALMO-ANTIPEOL</b>							
20 gr. Nozzled Tube .. .. .	3/4½	2/1½	+	4½	25/3	+	4
<b>RHINO-ANTIPEOL</b>							
20 gr. Nozzled Tube .. .. .	2/9½	1/9	+	3½	21/-	+	3
<b>ENTEROFAGOS</b> (ORAL AND INJECTABLE)							
Box of 50 ampoules .. .. .	19/-	13/3½		None	159/7		None
" 10 " .. .. .	4/3	3/-		None	35/8		None
" 5 " .. .. .	2/6	1/9		None	21/-		None
<b>DETENSYL</b>							
Tin of 500 tablets .. .. .	39/-	24/-	+	4/-	288/-	+	48
Tube of 50 " .. .. .	4/5½	2/8½	+	5½	32/4	+	5
<b>ST. JAMES' BALM</b>							
Tin of approx. 2½ oz. .. .. .	2/10	1/11	+	4	22/6	+	3
" " 1 oz. .. .. .	1/5	11	+	2	11/3	+	1
Tube .. .. .	1/2	9	+	2	9/-	+	1

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, monthly account.

MEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.

# MEDICAL **EVANS** SUPPLIES

## Modern treatment of Scabies with **BENZEVAN CREAM**

Before being issued, Benzevan Cream was clinically tested and all the reports on these trials agree that this cream provides an effective, clean and economical treatment for scabies.

Benzevan Cream contains 25 per cent benzyl benzoate in a vanishing cream type of base. It must not be confused with Benzevan which is a liquid preparation.

### **Retail prices** (*inc. tax*)

2 oz. jars - 3/2 each. 12 oz. jars - 11/1 each. 45 oz. jars - 39/- each.

### **EVANS SONS LESCHER & WEBB LTD**

Liverpool and London







*Personal Daintiness*

Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells Products for feminine hygiene. This important subject is objectively discussed in Nurse Drew's booklet "Hygiene for Women"—from any chemist. If you prefer write direct to.

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PRODUCTS  
FOR FEMININE HYGIENE

APPROVED BY DOCTORS  
SOLD BY CHEMISTS




## Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

# Rendells

**PRODUCTS**

**P.A.T.A.** FOR FEMININE HYGIENE

W. J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.

# THE FIRST SIGNS OF VITAMIN EFFICIENCY ARE

- Excessive **TIREDDNESS**
- Feeling **RUNDOWN**
- Loss of **ENERGY**
- Lack of **INTEREST**

such cases you can recommend Vykmin with every confidence. It is an advanced formula. It contains Vitamin A (4500 I.U.), Vitamin B1 (300 I.U.) Vitamin B2 (100 microgrammes) Vitamin C (500 I.U.) Vitamin (1000 I.U.) Nicotinic Acid (10 mgms).

## Vykmin

**MULTIPLE  
VITAMIN  
CAPSULES**

Obtainable from your regular wholesaler.

**HOME HEALTH SERVICES LTD.,**  
132, Baker Street, London, W.1.

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PROMULSIN WAX can produce greasy, non-greasy and water free ointment bases which are :—

- Economical
- Non-greasy
- Non-irritant
- Non-staining
- Compatible with most medicaments
- Stable and easy to spread
- Adhere well to the skin
- Produce a cooling effect

*Formulas, samples and further particulars will gladly be supplied on request.*



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Distributors in Eire: MAURICE FITZGERALD & Co., Ltd., 8/9 Temple Lane, Dublin



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716



434



718



726

FIG. 716 with Dip Rod IN STOCK in  $\frac{1}{2}$ , 1 and 2 dram.

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LIGHTNING  
COUGH CURE  
VENO DRUG CO. LTD.  
LONDON

**THERMOGENE**  
VAPOUR RUB

**THERMOGENE**  
MEDICATED WADDING  
for Rheumatism, Neuralgia, Bronchitis,  
Lumbago, Neuritis, Sciatica, Chest colds, etc.  
THE THERMOGENE CO. LTD.  
Haywards Heath, Sussex  
Price 1/3 per Box

**Germolene**  
Aseptic Ointment  
SOOTHING AND HEALING  
Germolene

**D'CASELL'S**  
TABLETS  
DOSE: 1 or 2 after meals  
with liquid

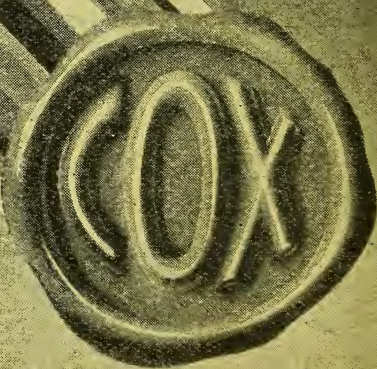
**Phensic**  
ANTISEPTIC REMEDY FOR  
THERMOGENE MEDICATED WADDING  
FOR THE TREATMENT OF  
WOUNDS AND BRUISES  
DOSE: 1 or 2 after meals  
with liquid

**VENO DRUG CO. LTD.**  
CHESTER ROAD · MANCHESTER, 16

*The name to  
remember for*

# PILLS & TABLETS

MANUFACTURING  
CHEMISTS  
FOR  
OVER A  
CENTURY

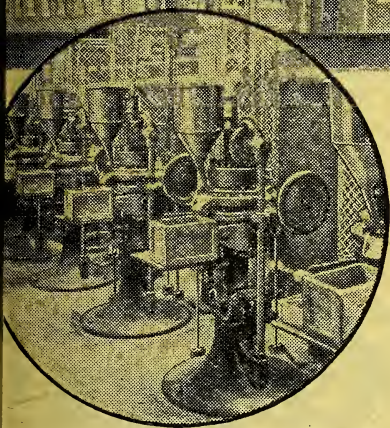
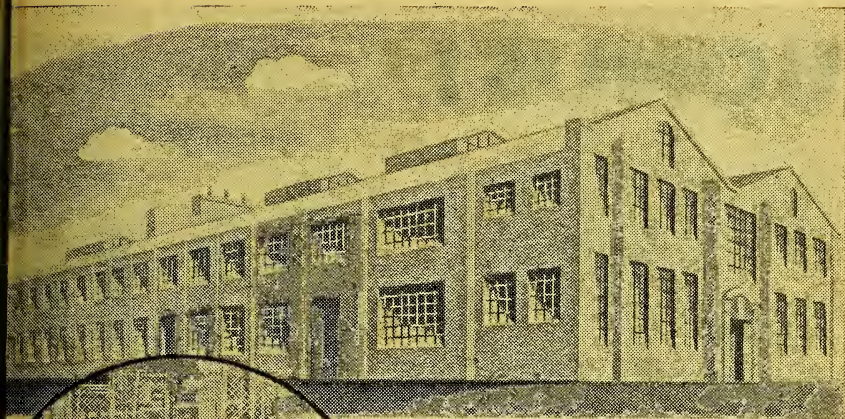


ARTHUR H.

# COX

& CO. LTD.  
BRIGHTON, ENGLAND





# I.C.C. PRODUCTS ANNOUNCEMENT

Above is a section of the I.C.C. tablet manufacturing plant which is being used for the production of wartime medical requisites for the Government.

The Government rightly demands all pharmaceutical supplies for its use to be of a uniformly high standard. It was with confidence that important contracts were entrusted

to the International Chemical Company Limited — urgent requisites which, however, inevitably reduce the production of 'Bisurated' Magnesia tablets. In these circumstances supplies of this popular line may be curtailed, but we can give our assurance that our stocks of 'Bisurated' Magnesia Powder — equally effective — are adequate to meet all needs.

**PATA**

**INTERNATIONAL CHEMICAL CO., LTD.**  
BRAYDON ROAD • LONDON • N 16

# BONUS!

A special bonus for display of M.O. (Magnesia Oil) is now available. *One bottle free* in every order for 1 dozen, either size.

M.O. advertisements are now appearing *in your local paper*.

M.O. has sold for years solely on prescription by the medical profession. It is a liquid laxative and antacid, corrects nausea and vomiting, and restores the bowel muscles to normal healthy function by *decreasing* doses.

There are *ample* supplies of



8 oz. 3s. 1d. (including Tax)  
16 oz. 5s. 7d. (including Tax)

**P.A.T.A.**

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Sole Distributors: Messrs. THOS. CHRISTY & CO. LTD., Farnham, Surrey

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*Simple and Very Efficient*

Containing in one Unit the Inland Revenue Cards together with Guide Cards for quick reference

Size T 1 for up to 250 employees 39/-

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Special quotations for larger outfits.

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STOPPERS. ETC.**

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CAMPERDOWN ST. & GT. ALIE ST.  
LONDON, E.1  
Established 1844

## DISTILLED WATER, B.P.

REASONABLE DELIVERY LONDON AREA  
CARBOYS ONLY

**AUSTINS LTD.**

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EMULSION SPECIALISTS

1/6 and 2/9 costing 10/6 and 20/- plus tax

**MILLAMALT** *The* VITAMIN MALT FOOD

With Guaranteed Complement of Vitamins A, B, C & D  
Sole Manufacturers: JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19

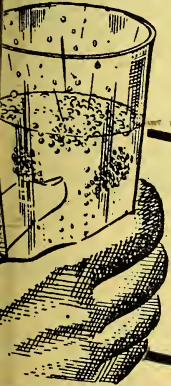


**WHY  
DOES IT  
SELL?**

*The  
Answer's  
the  
LEMON*

# Harrogate CONCENTRATED Health Salts

**HARROGATE SPARKLING HEALTH SALTS**  
tain the natural oil of lemon. That is why  
y have so quickly come to the fore. Packed  
two attractive sizes—'handy' and 'family.'  
tional Advertising is in full swing. Supplies  
restricted but orders are dealt with in  
ation, and you are invited to apply for a  
ota to the sole selling agents: Koray  
Limited, Blackpool.



Manufactured by the  
**Harrogate Tablet Co. Ltd.**  
Sole Selling Agents for the  
British Isles  
**KORAY LIMITED  
BLACKPOOL**

**PRICES**  
**32/- per doz.**  
(Purchase tax, 5/4)  
Retail selling price  
3/9 (incl. tax).  
**6/- per doz.**  
(Purchase tax, 1/-)  
Retail selling price  
9d. (inc. tax)

**ATIONALLY ADVERTISED TOO!**



Do you remember All-in Wrestling and the  
not-so-kindly advice tendered by the crowd?  
Sometimes we feel a bit like the bloke whose chin  
is caressing the canvas. Not that heavy demand,  
short staff, or transport difficulties have got us  
down! Far from it. But we simply *must*, in  
fairness to the public, see to it that available  
KORAY supplies are distributed evenly over  
the country. So, if we keep you waiting, if your  
order for Powders or Tablets is not completely  
fulfilled, please be a little patient. Don't  
barrack! We really are doing our best.  
**KORAY, LTD., LONDON & BLACKPOOL**

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## KILLS PAIN QUICKER

There are a few vacancies for  
wholesale distributors for  
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specific trade-mark for  
the specific analgesic anti-  
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**A FULL RANGE OF GLANDULAR  
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**Also PEPSIN all strengths**

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**both Bacteriological  
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**OX GALL      Inspissated  
                 Powdered  
                 Purified**

**BILE SALTS POWDER**

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**THE  
Armour Laboratories**  
(ARMOUR AND COMPANY LTD.)

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Phone  
Keivin 3661

Grams  
"Armosata-Phone," London

*Who said  
you can't  
get  
CURICONES*



Make a note of this now. You CAN get "Curicones". So there is no need to disappoint your customer, lose money yourself. It is true, of course, that only sizes are now available, the 5/- size, and the large size. Your Wholesaler should have both sizes in stock. Delay may occur in delivery, so don't wait until you are out of "Curicones" before re-ordering. Staff shortage is now everybody's problem—and that includes the Wholesaler. He may not be able to attend to orders so promptly as hitherto but he CAN supply with "Curicones."

**CURICONES**

—the remedy for Rheumatism and kindred troubles

*are still obtainable*

Small  
size

5/-

Remember, "Curicones" is a P.A.T.A. line showing 33½ per cent. profit, nationally advertised and recommended by the medical profession.

*From your Wholesaler*

Stephen Matthews & Co., Ltd., 19-21 Farringdon St., E.C.4



MANUFACTURERS OF  
**TABLETS**  
AND  
**PILLS**  
For the  
Pharmaceutical  
Trade



Established 1860

'Phone: Derby 4266-7-8. 'Grams: Dania Derby



He uses Sharpex  
and gets a clean shave  
week after week from  
one blade. Widespread  
advertising is stimulat-  
ing sales. Sharpex re-  
tails at 4/6 (inc. P.T.)

WARTIME *Pifco*  
**SHARPEX**  
RAZOR BLADE SHARPENER

Order from  
our regular  
wholesaler

**PERSONAL CALLERS ONLY!**

See the selection of BEAUTIFUL BOTTLES and jars, to suit the most fastidious and select your stock of

White Beeswax, Spermaceti, Glyceryl Monostearate, Triple Pressed Stearic Acid. Perfumes for high-grade HAIR CREAM, VANISHING CREAM, Lanoline, (Anhydrous) Gum Tragacanth, Emulsifier "A.I." Emulsifier "Extra."

The selection of  
**SEE BEAUTIFUL BOTTLES**  
IT WILL PAY YOU!

**BRICCAS LTD.**

4 Cavendish Place, OXFORD CIRCUS, London, W.1

**SPECIAL SUPPLIES.**

PERFUME. Water Soluble Dilute with Distilled Water, 1/6 oz. Others, Spirit and Oil Soluble, 2/6, 4/6 and 5/9 fluid oz. All plus P.T.

ESSENTIAL OILS. Stocks available.

EMULSIFYING WAXES. White Hair Cream with Water only and with Oil.

GUM TRAG. and GUM KARAYA. Various qualities. Obtain your supplies now. 8/- to 33/-lb.

RAW MATERIALS for most preparations available including Lipstick and Face Powder Colours (Powder and Liquid).

CRYSTALS for Bath Salts. MINERAL OILS. STEARIC ACID. POWDERED DISTEMPER MANUFACTURERS.

CONTAINERS, Etc.

Lipstick Push-up Tubes and similar. Face and Talcum Powder Boxes. Fancy Boxes, all sizes. BOTTLES and JARS for all purposes and in all types. Composition Corks, Metal Caps. Cruet Sets, Salt Pourers.



**PERFUMERY LABELS AND SEALS**

In small or large quantities. 250 approx. 6/-.

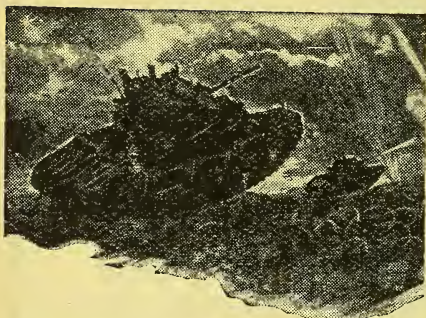
**MISCELLANEOUS**

Shampoo, Powder Puffs Utility Lighters, Sanitary Towels. Slip Lid Tins—all sizes.

Price Lists and Technical Information, 3d.

Lee-Narvill Laboratories, ANLABY ROAD, HULL, YORKS





## Armoured . . .



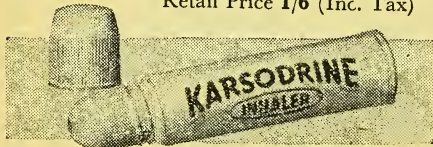
The Battalions of to-day fight behind defensive armour. The armoured car has replaced the cavalry horse and infantry advance under the protection of massed tank formations.

Medical research, too, has provided defensive armour for the medical profession. The prevention of disease by protective measures against the invisible but numberless and ubiquitous foe—the disease germs—is

increasingly lowering the general morbidity and mortality.

Decongestion of the turgid nasal mucosa in acute and chronic rhinitis, hay-fever, and sinusitis is rapidly effected by use of the Karsodrine Inhaler. Maximal shrinkage with corresponding symptomatic relief is obtained within five minutes. The powerful volatile vaso-constrictor in the Inhaler penetrates to the uttermost recesses of the nasal cavity and sinuses, securing optimal drainage and aeration. With only one cap to remove, the Karsodrine Inhaler is pre-eminent simple to use.

Retail Price 1/6 (Inc. Tax)



**FORMULA:** Amphetamine, 0.330 grm.; Cineole, 0.093 grm.; Ol. Citronell, 0.026 grm.; Methyl Salicyl, 0.023 grm.; Ol. Cedri, 0.005 grm.; Menthol, 0.049 grm.; Ol. Eucalypt, 0.069 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax) which yields 3/2½d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

E. GRIFFITHS HUGHES  
LIMITED

ADELPHI, SALFORD 3  
MANCHESTER

A PRODUCT OF **E H G** LABORATORIES



# 'ASPRO'

## FIXED PRICES

5  
TABLETS  
(One tape)

3<sup>1</sup>/<sub>2</sub><sup>D</sup>

10  
TABLETS  
(Two Tapes)

6<sup>1</sup>/<sub>2</sub><sup>D</sup>

17  
TABLETS  
(In packets)

1<sup>1</sup>/<sub>3</sub><sup>1</sup>/<sub>2</sub><sup>D</sup>

**PATA**

## AN IMPORTANT NOTICE TO RETAILERS

The recognised P.A.T.A. prices of 'ASPRO' approved by the Central Price Regulation Committee, which must not be exceeded under the Price Control Regulations, are shown above. We have already explained to chemists that **Government restrictions on packing materials make it impossible for us to continue to supply packets of 10 tablets.** We have, therefore, had to standardise the loose tape pack retailing at ONE TAPE 3½d, TWO TAPES 6½d. Unfortunately a number of cases have recently come to our notice where, probably owing to inexperienced staff, customers have been charged 7d. for two tapes. We must, therefore, point out that the price at which this pack is sold to the chemist provides HIS FULL PERMITTED RATE OF PROFIT when he sells at two tapes for 6½d.

## 7d. FOR TWO TAPES IS AN OVERCHARGE

We emphasise this point to save inconvenience to trade and public.

The above prices do not apply to Eire.

ASPRO LIMITED  
SLOUGH · BUCKS

**ASPRO**  
REG. TRADE MARK

# UNRESTRICTED SUPPLIES



**10½d.**

to public  
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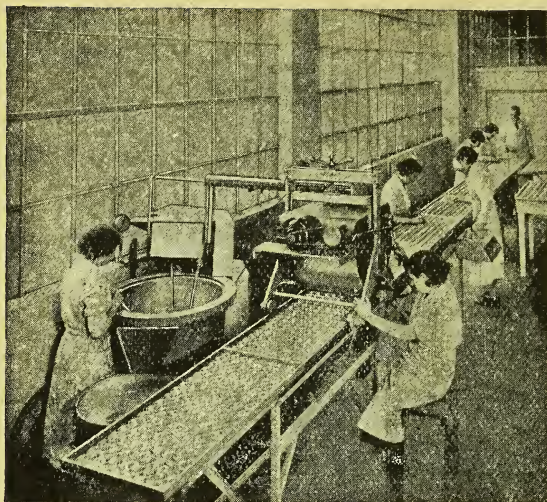
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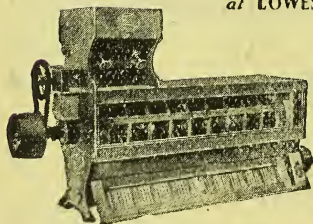
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## NEWS OF THE WEEK

**Edinburgh Chemical Industries.**—At an exhibition in Edinburgh of the industries of Edinburgh and Leith there were exhibits of J. F. MacFarlan & Co., T. & H. Smith, and other companies.

**Mustard Order Change.**—A Food Standards (Mustard) (No. 2) Order, 1944, just issued by the Minister of Food, replaces the existing Mustard Order. It prescribes essentially the same requirements for mustard in powder form as were contained in the original Order, but the standard does not apply to any article sold under the description of "pickling mustard," and consisting wholly or in part of white or brown mustard.

**Standard for Filtered Sperm Oil.**—A new British standard for filtered sperm oil has been issued by the British Standards Institution, 28 Victoria Street, London, W.1. It gives limits for specific gravity, true value, viscosity, saponification value, acidity and unsaponifiable matter, and (in parentheses) standard methods for the determination of these properties. The pamphlet

completes the range of British standards for marine, animal and fish oils, including cod liver oil.

**New Rubber Control Order.**—The Control of Rubber (No. 21) Order (S. R. & O., 1944, No. 206) revokes and remakes in consolidated form with amendments the provisions of previous Orders prohibiting or restricting the production of certain articles and component parts composed of or containing rubber. Under the new Order the definition of "controlled material" has been extended so as to include synthetic rubber, and to make it clear that rubber and liquid latex are "controlled materials," whether they are vulcanised or unvulcanised. The expressions "waste" and "reclaimed" when used in relation to rubber are also defined, by reference to the Control of Rubber (No. 18) Order, 1942. The form of Order now adopted has made it possible to describe in one schedule all the articles production of which is controlled, and many kinds of article are included which were not included in the schedules to the Orders now being revoked.



**Change of Secretary at Middlesbrough.**—Owing to a business change, Mr. W. Kershaw has resigned the secretaryship of the Middlesbrough Pharmacists' Association and Branch of the Pharmaceutical Society. The new secretary is Mr. G. W. Humphrey, 1 Tronk Road, South Bank.

**Association of Pharmaceutical Employees.**—A meeting of the National Advisory Committee of the Association was held in London on March 12, Mr. M. Jackson, M.P.S., Leeds, in the chair. Following consideration of the pharmaceutical service within a national medical service, it was resolved to take immediate steps to consult certain other employee organisations.

**Statutory Committee.**—The Statutory Committee of the Pharmaceutical Society will meet at 17 Bloomsbury Square, London, W.C.1, at noon on March 23, to consider information and evidence received by the Committee from which it appears that: (1) A member of the Society was convicted of indecent exposure; and (2) a member of the Society, engaged as *locum tenens*, was under the influence of drink on his employer's premises during business hours.

**Candidates Considered at Bangor.**—At a meeting of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society at Bangor on February 16, the addresses of the candidates in the forthcoming Council election were considered. Several had advocated territorial representation, a method repeatedly urged by the branch and considered more than ever desirable at present, and it was decided to recommend members to give one vote each to the candidates resident or in business in Wales (Messrs. Eirwyn Owen and Knox Mawer) and to offer guidance with the remaining votes.

**Salford Analyst's Report.**—The report of the Salford City analyst for 1943, recently issued, records that 6.1 per cent. of samples taken during the year were found to be adulterated. They included seidlitz powders in packets damaged by water, lemon juice substitute falsely claimed to contain vitamin C, and lemon substitute "equalling the juice of twelve lemons," which consisted entirely of citric acid. A "non-alcoholic cocktail" was found to contain 99.8 per cent. water, 0.1 per cent. phosphoric acid, 0.05 per cent. saccharin, and colouring matter. The label on the bottle depicted a variety of fruits.

**Toilet Packs Specifications.**—After consultation with trade representatives, the

Board of Trade has decided that: (1) During the present licensing period, which ends June 30, applications for amendment specifications of pre-packed units will be considered unless they reach the Board before April 1; (2) after June 30 applications will be considered only if they are received during the first month of subsequent period of three months, during July, October, January, and April. These arrangements apply also to licences issued under Article 6 to authorisers and packers. The licences issued periodically to registered manufacturers under Article 3 of the Toilet Preparations (No. 3) Order 1943, specify the descriptions of controlled goods that may be supplied and the sizes of units in which they may be pre-packed. In the past numerous applications have been received from manufacturers wishing to vary or add to these descriptions of sizes during the period for which the licence is valid, and consideration of these applications has involved a considerable amount of work, which the Board would prefer to reduce so far as this can be done without causing undue inconvenience to the trade.

**Pharmacists' Deferment Recommendation.**—The Central Pharmaceutical Committee and Scottish Central Pharmaceutical War Committee give notice that except for men who have been individually notified to the contrary, a recommendation has been made to the Ministry of Health and the Department of Health for Scotland by the Committee concerned that deferment of calling-up for pharmacists and dispensers recommended to have their call-up deferred to March 31, 1944, with further consideration, shall be extended to September 1, 1944, with further consideration at the end of that period. Individual notification will not be sent to those whose deferment has been recommended for the extension, pharmacists and dispensers for whom further period of deferment in their present employment is proposed to be recommended will be afforded an opportunity to appear against the proposed recommendation. The position of pharmacists and dispensers were (a) under thirty years of age at date of their registration and who have been informed that they will not be released for calling-up until a substitute has been found, or (b) over thirty-five at date of their registration and who have been informed that they are ear-marked for release as substitutes for the "under thirty" men remain as previously notified.

# EMPIRE AND FOREIGN NEWS

**penicillin in Middle East.**—Larger arrivals of penicillin are announced by the chief of the U.S. Forces in the Middle East to have been received in that theatre.

**S. Magnesium Production.**—The Dow Chemical Co. protested recently against an action by the U.S. Department of Commerce that the company had curtailed production of magnesium as the result of a trade agreement with the German magnesium industry. Following an investigation, the company has been credited with a major role in the nation's success in meeting magnesium requirements.

**British Trade Propaganda in Mexico.**—The first number of a new all-Spanish magazine, produced by the British Chamber of Commerce in Mexico, appeared in December. The magazine, which comprises 16 pp., size 11 in. x 8 in., has a handsome cover in two colours, and includes articles on Anglo-American co-operation, scholarships for Mexican post-graduates in England, penicillin, the British optical industry, etc.

**Examination for U.S. Pharmacy Corps.**—An examination was held recently in the United States for the purpose of qualifying candidates for appointment as second lieutenants in the Pharmacy Corps of the United States Army. The examination was in three parts: a written professional and a practical examination, and a determination of the candidate's adaptability for military service. There was no practical examination.

**South African Saccharin Permits.**—A simplified permit system for acquiring saccharin has been published by the Government of South Africa. For diabetic sufferers permits will be issued which will be valid for a given period, so that they may draw their monthly supplies through normal channels. Permits are not required by chemists to supply saccharin to other chemists, hospitals or nursing homes, but all other supplies must be reported monthly to the Controller of Medical Requisites.

**Malaria Chemicals for Egypt.**—The Egyptian Government is expected to accept an offer by the British Army authorities to dispatch to Egypt R.A.M.C. units specialised in anti-malarial methods. Under an agreement reached twelve months ago, British and American authorities have already supplied nineteen tons of chemicals sufficient to immunise all stagnant and

semi-stagnant water in Upper Egypt). Alarm is apparent throughout the country, however, at the high mortality rate since the summer of 1942.

**Free Medicines in Australia.**—A Pharmaceutical Benefits Bill, introduced into the Australian Senate on February 17, provides that any citizen may have a doctor's prescription dispensed free, the chemist being recompensed by the Government. An exception is made for prescriptions not included in a pharmaceutical formulary that has been prepared by an expert committee. The benefits extend to insulin, antitoxins and, when available in sufficient quantity, penicillin; also to a number of medical appliances and materials. The average payment for prescriptions is expected to be 2s. 2d.

**Medical Relief for Europe.**—The estimated requirements of chemicals and drugs in the German-occupied countries of Europe in the first six months after liberation are given in the following table. The estimates are those of the United Nations Relief and Rehabilitation Administration. The figures represent thousands of metric tons.

	Drugs	Hospital supplies	Chemicals	Fertiliser and pesticides	Oil seeds, oils and fats
Belgium and Luxembourg	3.1	3.0	62.7	67.0	113.2
Czechoslovakia	7.4	7.1	35.0	38.5	139.9
France	9.8	9.4	168.1	505.0	431.9
Greece	1.2	4.1	9.0	46.0	31.5
Holland	5.4	5.2	165.1	149.5	117.8
Jugo-Slavia	2.4	7.1	22.1	21.5	86.7
Norway	2.0	2.0	157.2	29.8	761.9
Poland	5.6	14.2	37.2	62.3	121.5

**Conference of U.S. Penicillin Producers.**—The United States War Production Board has shown some concern at a lag in penicillin production in the United States, and has summoned a conference in Washington of the main American producers. Nineteen American and two Canadian manufacturers will be represented at the conference, which will discuss the possibility of pooling information relating to fermentation methods of production. A statement by the War Production Board suggests that supplies of penicillin would be adequate to meet all war needs if every manufacturer could be brought up to the standard of the most efficient.



## LEGAL REPORTS

**Controlled Goods Without Label.**—At Blackburn police court, on February 18, Shazreen Khan, perfumery retailer, 20 William Street, Bradford; Ali Ramit, Bradford; Evelyn Eames, Blackburn; and James Smallshaw Ward, Blackburn, were each fined £1 for supplying controlled goods not bearing on the label the name and address of the manufacturer.

**Herbalist Bound Over.**—At Derbyshire assizes, recently, Fred Gough, herbalist, Arkwright Street, Wirksworth, was charged with supplying a noxious drug, knowing it was going to be used with intent to procure an abortion. Freda Currey, Matlock, was charged with administering the drug. Both pleaded not guilty. Gough was alleged to have made a statement in which he said he had given a woman podophyllin. Professor J. M. Webster (Birmingham forensic laboratories) declared that the only safe dose of podophyllin to give a pregnant woman was none at all. The judge said that the case did not involve a professional abortionist, and he was taking the unusual course of binding over Gough on condition that he made no more pills and sold no more herbs. Mrs. Currey was also bound over.

**Pharmacy Act Case.**—At Clerkenwell police court, recently, Aucklands, Ltd., 96 Camden Road, London, N.W., were summoned by the Pharmaceutical Society for selling a Part I poison (ephedrine in Do-Do tablets) in a container not labelled with the name of the seller and the address of the premises on which the preparation was sold. There was a further summons for selling a poison without being an authorised seller of poisons. The Pharmaceutical Society's representative stated that the limited company formerly traded as chemists, the principal director being Mrs. Brown's husband, who died in April 1942, since when she had been carrying on the business as a drug-store; it was still a limited company. The magistrate dismissed the first summons under the Probation of Offenders Act on payment of costs. The second summons was not dealt with.

**Mercury Theft.**—At Kilmarnock sheriff court, on March 3, six men were given varying sentences of imprisonment for offences connected with the theft of mercury from a West of Scotland factory. George Blackwood, Saltcoats, received six months' imprisonment on charges involving nine bottles, each containing 76 lb. of mercury,

valued at approximately £596 and stated to have been sold for a quarter of its value. John Cassidy, Saltcoats, and William McKinlay Aitken, Kilwinning, admitted being involved in the theft of seven of the bottles; they were each sentenced to three months' imprisonment. Samuel Hanna Gemmell, Saltcoats, who had had six previous convictions, was involved in the theft of two bottles; he was sentenced to four months' imprisonment. John Suthe land, Hurlford, was involved in the theft of two bottles and sentenced to sixty days' imprisonment. On charges of stealing a bottle containing 76 lb. of mercury, William Allan, Saltcoats, was sent to prison for one month. It was stated that he had sold the mercury (valued at £66 18s.) for £10.

**Unlicensed Lipstick Manufacture.**—At Clerkenwell, London, police court, recently, Amana Saroop, described as a student, 48 Belsize Square, London, N.W.3, appeared on charges of being concerned in manufacturing nail-polish and perfume without licence. He was discharged on a further count of receiving a bottle of 90 per cent. alcohol, knowing it to have been stolen. William Amery, described as a shopkeeper, 416 Caledonian Road, previously charged with stealing 60½ gross bottles of perfume, 60½ doz. bottles jasmine perfume, and a large quantity of similar property, and alternatively of receiving the property, knowing it to have been stolen, was not charged with aiding and abetting Saroop in manufacturing. At a later hearing, Saroop was fined £100 and ordered to pay £21 costs for manufacturing toilet preparations without having carried on business in controlled goods prior to October 1, 1941, and without being a registered person; further £100 for supplying perfumery and lipstick not bearing the name of the manufacturer; £50 for recklessly making a false statement that he was manufacturing toilet goods prior to October 1, 1941; and £50 for manufacturing nail-polish and perfumery between September 1, 1943, and January 17, 1944. The prosecution did not proceed with an originally-preferred charge of manufacturing without a Board of Trade licence. The charges against William Amery were dismissed under the Probation of Offenders' Act. The magistrate made an order confiscating the articles. He allowed Saroop one month for payment, it being stated that there was a question of getting in touch with persons in India. The alternative was three months' imprisonment.



## TOPICAL REFLECTIONS

### H.S. and N.H.I.

After the manner of the magic lantern "dissolving views" of our youth, the letters H.S. are beginning to predominate in our thoughts over the letters N.H.I., with the prospect of extinguishing them. We have to thank you for another lucid editorial article (p. 285) on the National Health Service White Paper. When my allotted space in last week's issue came to an end, I was about to remark that the pharmaceutical arrangements in the N.H.S. will have to fit into the general arrangements. This does not mean that pharmacy will have to be presented with a ready-made scheme in which it will perforce be assigned an inconspicuous place; for, if I am not mistaken, many panel chemists are sufficiently in earnest about the change-over to energise their national executive bodies, if energy is found to be lacking in that quarter, so that they may take a hand—a firm hand—in the shaping of developments. Everyone concerned will, I hope, read your report (pp. 288-89) of an important address by the chairman of the National Pharmaceutical Union Executive (Mr. T. Heseltine) and of the discussion that followed it. That report places on record a list of recommendations that was the outcome of a visit by a pharmaceutical deputation to the Minister of Health last year, and a further list of "points on which pharmacists would probably insist." As a basis for discussion nothing can be better than these two sets of concrete suggestions. A few of them are self-evident than the majority, and are accordingly susceptible of the method of question and answer.

### A Few Questions

In asking for further elucidation of three of the paragraphs on p. 288, I am probably only anticipating several similar questions. All dispensing should be in the hands of pharmacists." What is to be understood by this statement? The first National Health Insurance Act provided that all insurance dispensing should be done "either by or under the direct supervision of a registered pharmacist or by a person who, for three years immediately prior to the passing of this Act, has acted as a dispenser to a duly qualified medical practitioner or public institution." What modification in this provision is proposed? "Dispensing should be completely separated from prescribing." This desire has often been expressed as an ideal; but what would be

its significance in practice? I doubt if any Act of Parliament will prevent either emergency dispensing by medical practitioners or the giving of free advice by chemists in business. There is a point at which the best intentions of idealists come up against the demands of human nature and have to give way. It may well happen that, with a rising standard of general education, either there will be less need for advice in the pharmacy or it will be of a different type. At present a pharmacist is virtually forced to do his best to answer questions on health, the attitude of the public leaving him little or no choice. Recently I heard of a medical practitioner who was praised by a patient for his reputed ability to diagnose without examination! The inference is obvious. "The hours and conditions of service should approximate to those laid down for doctors." How many of your readers know what is meant by "the hours" laid down for doctors?

### And the Rest?

Far back in the history of the Derby there was a race in which the winner, Eclipse, gained so decisive a lead that the popular verdict was "Eclipse first and the rest nowhere." Commentators on the N.H.S. White Paper have begun to suggest a similar end-point for it, with the medical profession in the rôle of Eclipse. It is, in fact, possible to gain the impression that only after the requirements of doctors who accept service under the proposed scheme have been catered for will the powers behind the White Paper be prepared to hear what "the rest" have to say. Not that the medical profession is as yet convinced of the complete soundness of the plan set forth. Last week, for instance, Lord Dawson of Penn told a committee of members of Parliament that the Paper does not mention health-centre beds to be placed at the disposal of local practitioners. This omission Lord Dawson attributed to oversight; but, he continued, "the White Paper put too much emphasis on the health centre as a means of giving the opportunity of group practice . . . which was, in effect, a local salaried service." Such a service, he feared, would "deprive the profession of enterprise and initiative and face it with the danger of becoming a profession of mediocrities." Pharmacists may apply this warning to their own participation, whether in shops or in institutions.

**Xrayser**

## COMPANY NEWS

**SALDOR, LTD. (P.C.).**—Capital £100. Chemists, drysalters, etc. Joseph Barker, director. R.O.: North British Buildings, East Parade, Leeds.

**MEDISERVICES, LTD. (P.C.).**—Capital £500. Manufacturing and general chemists, etc. Arthur Harding, M.P.S., Mrs. E. Harding, and Leonard Jacques, directors. R.O.: 44 John Dalton Street, Manchester, 2.

**DOUGLAS WALKER PRODUCTS, LTD. (P.C.).**—Capital £1,000. Chemists, druggists, oil and colourmen, etc. William D. Walker and Ernest F. Hyatt, M.P.S., directors. R.O.: 79 Baker Street, London, W.1.

**BRITISH WALDHEIM PRODUCTS CO., LTD. (P.C.).**—Capital £100. Wholesale and retail chemists and herbalists, etc. W. G. Taylor and Frank T. Head, directors. R.O.: Spencer House, 4 South Place, London, E.C.2.

**DEEDON, LTD. (P.C.).**—Capital £5,000. Manufacturers of and dealers in anatomical, orthopaedic, medical, scientific and surgical appliances, etc. Thomas S. Sutherland and John H. C. Harding, directors. R.O.: 7 Bon Accord Square, Aberdeen.

**CHARLES COUTTS, LTD. (P.C.).**—Capital £10,000. To acquire the business of Charles Coutts, 26 Broad Street and 2 Schoolhill, Aberdeen. Charles Coutts, M.P.S., John A. Neil, M.P.S., and Charles D. Coutts, M.P.S., directors. R.O.: 26 Broad Street, Aberdeen.

**E. E. BOWLER, LTD. (P.C.).**—Capital £2,000. To acquire the business of a chemist and druggist carried on by Florence E. Bowler at Town Street, Duffield. F. E. Bowler and Stella W. M. Greenwood, M.P.S., directors. R.O.: Town Street, Duffield, Derby.

**RE-AGENT DISCOVERIES, LTD.**—Capital £1,000. Manufacturers of and dealers in drugs, medicines, toilet requisites, etc. Frederick W. Witchalls, 10 Gresham Avenue, London, N.20, and Winifred M. Turner, 72 Minchenden Crescent, N.14, directors. R.O.: 75-77 Shaftesbury Avenue, London, W.1.

**LEWIS & BURROWS, LTD.**—Dividend on ordinary shares for year to September 30, 1943, is 10 per cent.

**BOOTS PURE DRUG CO., LTD.**—The directors have appointed Mr. E. R. Walker to the board. Mr. Walker has been in the company's service for thirty-three years.

## IN THE COURTS

**Unauthorised Possession of Morphine.**—At Old Street, London, police court recently, R. M. Pearson, described as a professional boxer, was sentenced to twelve months' imprisonment and a fine of £250 or three months' additional imprisonment, for being in unauthorised possession of 3 gr. morphine tartrate.

**Dogs Doped.**—At the Central Criminal Court, London, recently, William John Spicer and Charles Arthur Wells were found guilty of conspiring to defraud by administering drugs to greyhounds (see *C. & D.*, February 5, p. 135). Spicer was sentenced to twenty-one months' imprisonment; judgment on Wells was deferred.

**Noxious Drugs.**—At Cornwall assizes, recently, a sentence of six months' imprisonment was passed on May Juleff, Redruth, who pleaded guilty to supplying noxious drugs, knowing the purpose for which they were to be used. Evidence was given that the accused's late husband had conducted a herbalist's business at Redruth; since his death, ten years ago, she had carried it on.

**Alleged False Description.**—At Blaenau Festiniog, on March 9, Cosmetic Distributors, Ltd., Empire House, Regent Street, London, W.1, were fined £50 and costs totalling £21 for issuing a label with false description. An inspector of the Merioneth County Council stated that he bought a box of Jean Claude gardenia talcum powder at a Blaenau Festiniog shop for 3s. 6d. analysis proved it to be 100 per cent. chalk.

**Imprisonment for Receiving.**—At Glasgow sheriff court, on February 10, William Dunbar Nicholson was sentenced to four months' imprisonment on charges of receiving nine cases containing 3,480 boxes of face powder, 600 boxes of talcum powder, 240 boxes of dusting powder and 832 jars of face cream, stated to have been stolen from a store in the east end of Glasgow. The value was £429; goods worth £322 10s. have been recovered.

**Charge Against Chemist Dismissed.**—At Preston, on March 2, a case against Mr. S. R. P. Fisher, M.P.S., Orchard Street, for selling gelatin to the prejudice of the purchaser was dismissed on the ground that it had been purchased by him under a warranty. The sample was alleged to contain 22 parts of lead per million. Ross (Gelatin), Ltd., Newlay, Leeds, manufacturers of the gelatin, were fined £10, with £125 5s. costs; the Bench agreed to state a case for an appeal.



## TRADE NOTES

**Supplies Available.**—Dae Health Laboratories, Ltd., 25-27 Berners Street, London, state that unrestricted supplies of Veet deodorant, a companion to their hair-removing cream, are available. Terms and details of Press advertising are given on another page.

**Bonus.**—A bonus for display of M.O. Anesthesia oil (one bottle free in every order of 1 doz., either size) is now available from makers, Musterole Fine Products Co., Ltd., Brook House, Park Lane, London, W.1, through the sole distributors, Thos. Winsty & Co., Ltd., Farnham, Surrey. Supplies are ample, and advertising is being borne in the local Press.

**New Vitamin B<sub>2</sub> Tablet.**—Roche Products, Ltd., Welwyn Garden City, British manufacturers of Bēflavit vitamin B<sub>2</sub> tablets, which have hitherto been available only in 10-mgm. strength, have introduced a 3-mgm. strength of the tablets in bottles of twenty-five and 100, and in ampoules of 1 mgm. and 10 mgm. (both strengths in boxes of six) for general administration.

**Review of Pethidine Properties.**—Burroughs Wellcome & Co., 12 Red Lion Square, London, W.C.1, have published an annotated review of the properties and uses of pethidine hydrochloride, a synthetic analgesic and antispasmodic that has recently been the subject of extensive clinical studies. Copies are available to members of the medical and allied professions on application.

**Symbols in Advertising.**—The wood sorrel plant is illustrated in a front-cover advertisement by Goyne, Burbidges & Co., Ltd., East Ham, London, E.6, the subject of which is Robert Boyle.—The same herb forms No. 7 of the new herb series of advertisements by Potter & Clarke, Ltd., London, W.1. It is noteworthy that the wood sorrel is a popular source of the delicate shamrock, which is much in evidence on St. Patrick's Day (March 17).

**Trade Development.**—The Midland Bank, Ltd., has followed up its recent appointment of a committee on post-war business problems with the announcement that Mr. Alexander Woods, T.D., D.L. (joint general manager), will henceforth devote his full time to the development of bank services and provide the fullest possible support for promising enterprises, especially in relation to resettlement in civilian life of men discharged from the Forces. Mr. Woods has

had special experience in and opportunities for studying the financial requirements of smaller undertakings.

**Sterilised Solution for Arthritis.**—C. J. Hewlett & Son, Ltd., 35-42 Charlotte Road, London, E.C.2, have introduced S.B.T. brand sterilised solution of bismuth and sodium tartrate. The preparation is the result of work carried out by Dr. Percy Hall, using Howards' Sobita brand of bismuth. et sod. tart., B.P. 1932, Addendum 1936. By arrangement with Dr. Hall and Howards & Sons, Ltd., Ilford, Messrs. Hewlett are manufacturing the injection to the original formula and methods (see "Lancet," February 19, p. 264). Presentation is in 10-c.c. rubber-capped bottles.

## Business Changes

MR. JAMES DOWNIE, M.P.S., 93 High Street, Strichen, Aberdeenshire, has been called to the Forces. The business will be carried on by Mrs. Downie.

## PERSONALITIES

MR. J. D. HUNTER, M.P.S., 17 Bank Street, Carlisle, gave an address on "Drugs" to the Carlisle Rotary Club on March 1.

DR. GEOFFREY ROBERT BARKER, Nottingham, has been awarded the degree of Ph.D., London, for a thesis on the constitution of nucleic acids.

DR. ALEXANDER FINDLAY, Professor of Chemistry at Aberdeen University, 1919-43, is to be awarded the honorary LL.D. degree of the University.

PROFESSOR W. H. PEARSALL, F.R.S., Sheffield University, is to become Quain Professor of Botany at University College, London, in October.

MR. ARCHIBALD ROBERTSON, M.P.S., 10 Windmill Road, Hamilton, Lanarkshire, gave a talk to the local rotary club, recently, on his day-to-day work as a pharmacist.

MR. CECIL WHITFIELD DAVIES, D.Sc. (Wales), is to succeed Dr. T. Campbell James in the Chair of Chemistry at the University College of Wales, Aberystwyth. He is secretary of the Chemical Society.

PROFESSOR JOEL H. HILDEBRAND (Dean of the College of Science, University of California) gave the annual lecture arranged by Edinburgh University Chemical Society to perpetuate the memory of the late Sir James Walker, former Professor of Chemistry. His subject was "Entropy Relations in Pure Solvents and Solutions." He identified entropy with "degree of disorder."



## MARRIAGES

**KEENLYSIDE — MACLACHLAN.**—At the Presbyterian Church, Wallasey, on February 27, C. Melvin Keenlyside, M.P.S., 7 Alfred Street, Whitehall, Shrewsbury, to Margaret Anna Cameron Stewart MacLachlan, M.P.S., 30 Oak Street, Shrewsbury, formerly of Wallasey.

**NOBLE — THOMAS.**—At Bunyan Meeting, Bedford, on March 7, Sergeant Alastair Campbell Noble, R.A.F.V.R., son of Mr. R. W. Noble, M.P.S., 45 St. Cuthbert Street, Bedford, to Winifred Eryl Thomas, V.A.D., Gwalia Pwllheli, Carnarvonshire. Sergeant Noble is a registered pharmaceutical student.

## DEATHS

**ATTERBURY.**—Recently, Mr. William Richard James, Atterbury, M.P.S., 48 Orchard Avenue, Parkstone, Dorset, aged sixty-six. Mr. Atterbury was in business in Somers Road, Southsea, Portsmouth, for over thirty-five years, retiring from active business about three years ago, when his pharmacy was destroyed by enemy action. He was a keen believer in pharmacists getting together for the good of the craft. A life member of the Society, he took an active part in founding the Portsmouth Chemists' Association in 1910, and seldom was a meeting held without his being present. He was secretary of the local Association from 1916 to 1921, president in 1923-24, and chairman of the Portsmouth Pharmaceutical Committee during the same period. For some years he was a member of the Portsmouth Insurance Committee. He leaves a widow, two sons and a daughter. The funeral took place at Milton cemetery, Portsmouth, on March 9, when the local Association was represented by Messrs. T. A. Johnson (president), R. G. Tremlett (vice-president), and several former colleagues, as well as the Clerk to the Portsmouth Insurance Committee and many non-pharmaceutical friends.

**BAIRD.**—At a British General Hospital in the Middle East, recently, Sergeant Peter Cuthill Baird, M.P.S., R.A.M.C., 186 Stirling Street, Denny, Stirlingshire, aged forty-three.

**BERG.**—During an air raid on Berlin, on January 30, Mr. Hugo Berg, managing director of the Bayer medical division, I.G. Farbenindustrie.

**BILSON.**—Killed in air operations over Germany, in October 1943 (previously reported missing), Flying-Officer F. W. (Billy)

Bilson, M.P.S. He died a few days after attending the funeral of his father, Mr. F. Bilson (a past-president of the Pharmaceutical Society). Flying Officer Bilson qualified in 1934. Prior to joining the Force he was the secretary of the Bournemouth Branch of the Society.

**BROADLEY.**—On active service, recent Sub-Lieutenant Herbert Broadley, Ph. R.N.V.R., aged twenty-nine. Mr. Broadley had been lecturer in pharmaceuticals at the School of Pharmacy, Robert Gordon's Colleges, Aberdeen, for six years prior to joining the Navy. A native of Burnley, Lancashire, he was Woolley prizeman in pharmaceuticals and holder of a medal for first place in the Ph.C. course at Manchester University.

**CROMBIE.**—At a Pollokshields nursing home, on March 5, Mrs. Annie Marshall McNair Crombie, widow of the late Mr. Peter Rintoul Crombie, M.P.S., Dennistoun.

**KIDD.**—At his home, on March 7, Alderman James Cassie Kidd, M.P.S., 5 Cheetham Hill Road, Manchester, aged eighty-one. Mr. Kidd served his apprenticeship at Macduff, Banffshire, and studied at Aberdeen and Edinburgh prior to qualifying in 1885. In 1888 he opened the business at Cheetham Hill Road, which he controlled until the time of his death. He was elected to the Manchester City Council in 1919 and was raised to the aldermanic bench in 1939; he was Corporation representative on the Manchester Insurance Committee and on the Lancashire Mental Hospital Board. Before his election to the City Council Mr. Kidd was an active member of the Manchester Pharmaceutical Association, of which he was a council member for many years and served a term as president. His interest in its work was maintained to the end. The funeral service was held at St. Mark's Church, Cheetham Hill, on March 10, prior to interment at St. Margaret's, Holyrood. Pharmacy was represented by Alderman A. G. Edwards and Messrs. H. Brindle (chairman, local branch of the Pharmaceutical Society), H. Steilman (N.P.U. Executive), and T. Miller (secretary of the Pharmaceutical Association). Mr. Kidd was unmarried and survived by a sister.

**O'CONNELL.**—At Nottingham, on March 9, Mr. J. M. O'Connell, are presentative of Solport Bros., Ltd., London.

**THOMAS.**—On February 17, Mr. Wilfred John Ladd Thomas, The Post Office, Laugharne, Carmarthen, aged sixty-three.

## INQUESTS

**Arsenical Poisoning of Chemistry Student.**—At an inquest at Weston-super-Mare, recently, on George Edward Jackson, an eighteen-year-old student of chemistry, who died from acute arsenical poisoning, the jury returned an open verdict, finding that there was not sufficient evidence to show how the poison was obtained or how administered. The coroner stated, "I think the startling feature of this inquiry is that students, who I assume are not of very mature age, have free access to all the drugs in the laboratory, including arsenical compounds."

**Heroin as Infantile Sedative.**—At Leyton, London, E.10, recently, a verdict of death by misadventure was returned at an inquest on a thirteen-month-old baby, who died following the injection of heroin as a sedative following a scald. A pathologist gave evidence that the area of second-degree scalds on the left wrist was so small that it was inconceivable the child could have died from shock. Death was accelerated by respiratory failure following the administration of heroin. A dangerously high (the maximum) dose had been administered; from his experience half the dose given would have been more normal.

**Decomposition of Anaesthetic.**—At an inquest at Whiston, Lancs, recently, Professor J. B. Firth (director of the Home Office laboratory, Preston) expressed the opinion that some Trilene anaesthetic used in skin-grafting operations on a man and a boy in Whiston County hospital had undergone decomposition, giving rise to toxic products. The symptoms might have been carried into the system of the patients, and though it had not been possible to identify them, it was known that a number of decomposition products, such as phosphine, existed. Until investigations had been completed, the close system of administering the anaesthetic should not be used. The verdict was death by misadventure.

**Waterglass Instead of Malt and Oil.**—A verdict of death by misadventure was recorded by the West Sussex coroner on a patient who died in Southlands Hospital, Boreham, recently, after being given a dose of waterglass in mistake for cod liver oil and malt. Evidence was given that deceased was ordered cod liver oil and malt three times a day. On January 31 the first two doses were administered. For the third dose a new tin was opened, labelled, like the first, "cod liver oil with malt extract."

Doses were given from it to deceased and five other patients; all complained of pain in their mouths and began to vomit. A doctor was summoned, formed the opinion that the contents of the tin did not agree with the label, and surmised egg-preservative. He ordered prompt treatment for the six patients; five of them responded, but not deceased. An analyst reported that the dose given consisted of a solution of sodium silicate. Death was due to heart failure from bilateral, tubercular, pleural effusions, accelerated by swallowing the waterglass.

## WILLS

MR. ALBERT BRIGHT REYNOLDS, M.P.S., 32 Grafton Road, Bournemouth, left £8,150, with net personalty £7,047.

MR. HARRY POOLE, borax manufacturer, Bryntonion, Granville Park, Aughton, Lancs, left £16,625, with net personalty £11,392.

MR. JOSEPH MARSHALL-WOODCOCK, M.P.S., 302 Lower Addiscombe Road, Croydon, Surrey, left £2,072, with net personalty £1,980.

MRS. BESSIE HILLER THOMAS, 6 Market Place, Faversham, Kent (wife of the late Mr. Thomas J. Thomas, M.P.S.), left £2,644, with net personalty £1,068.

MR. WILLIAM GREAVES, 146 Fergus Drive, Glasgow, managing director of Clydesdale Rubber Co., Ltd., Glasgow, left personal estate in Great Britain valued at £1,816.

MR. NINIAN KEMP, Wheatlands, Galashiels, N.B., managing director of Kemp, Blair & Co., dyers, left personal estate in Great Britain valued at £115,987.

MR. ALEXANDER CLAPPERTON, C.A., 3 Charlotte Square, Edinburgh, a director of the North British Rubber Co., Ltd., and other companies, left £50,290.

MR. FREDERICK ARTHUR ROBERTS, Laversham Court, Windlesham, Surrey, formerly chairman of a number of tea and rubber companies, left £47,040, with net personalty £42,791.

MR. HENRY LLEWELLYN SMITH, Ph.C., B.Sc., 4 Birchwood Road, Parkstone, Dorset, formerly of 25A Borneo Street, Putney, London, S.W., left £11,613, with net personalty £11,525.

MR. ARNELL THORP, Old Manor, Pluckley, Kent, late managing director of the Dangan Rubber Estates, Ltd., and a director of the St. Albans Rubber Co., Ltd., left £18,586, with net personalty £10,013.



## EMPLOYEES IN PROPORTION TO TURNOVER

THE time has come, in the view of Mr. E. A. BROCKLEHURST, to consider insisting that a pharmacy should employ one, two, three or more qualified pharmacists according to the number of prescriptions and the amount of turnover each week. Busy shops would be improved by the introduction of young, experienced and qualified men and would tend to become more professional in outlook. The line of demarcation between a one- and a two-man shop would require careful working out, and means of enforcing the plan would have to be considered, but given the will it could be done.

### N.P.U.'s Work for Members

Mr. Brocklehurst was speaking at a special district meeting of the National Pharmaceutical Union held in Sheffield on February 10, Mr. R. Blackburn (branch chairman) presiding. His subject was "The N.P.U.: Its Work Today and Its Plan for Tomorrow." Mr. Brocklehurst assured his hearers that the N.P.U. had acted on behalf of chemists in scores of cases of which no report had appeared in the pharmaceutical Press. A tremendous amount of work had had to be done in connexion with limitation of supplies and toilet preparations regulations, and but for the N.P.U.'s activities there would have been no concessions for the small-scale manufacture of cosmetics, as now enjoyed by chemists. The reservation of certain war-time products (e.g. rose-hip syrup, blackcurrant purée, etc.) had been beneficial to chemists far beyond their £ s. d. value, as reservation had established a custom that would be valuable in the years to come. The N.P.U. had also secured an increase of one-sixth in N.H.I. dispensing fees, and had provided, at low cost, a mutual air-raid assistance fund. Members might be interested to know that the scheme had had its basis in a plan originally prepared by himself for adoption in Hull.

### Competitors of the Future

The main result of the Pharmacy Act of 1941 had been to provide chemists with innumerable competitors, who were restrained only by war-time shortages from exerting their full power. By various measures pharmacists had obtained control over their own training and education; why not a similar control over business interests? This was being attempted by means of the Chemists' Friends scheme,

and it depended upon retailers whether the scheme would be a complete success otherwise. The scheme was not in any way contrary to the principles of the Proprietary Articles Trade Association, but in fact supplementary to them; 123 firms, controlling 5,000 items, were associated with the scheme, and it was the endeavour of the Executive to make the C.F. list consist exclusively of items that any chemist might be proud to sell. Products considered for acceptance must be therapeutically sound, must do what it was claimed on the label, they were able to do, and must not be advertised in extravagant terms.

A vote of thanks to the speaker was proposed by Mr. DALKIN, Rotherham, seconded by Mr. LANDER, Huddersfield, and carried.

### POOR PHARMACIST!

THE following paragraph is taken from the column "In England Now" in a recent issue of the "Lancet":—

One of your correspondent's notes about illegible prescriptions started a conversation about some other vagaries of prescribing. One of the circle told us he made a hobby of collecting unusual and curious prescriptions and he had just acquired a new specimen. It read:—

R. Antim. pot. tart. B.P.	..	..	0083% w/v
Ammon. acet.	..	..	1.8%
Tinct. opii B.P.	..	..	234% v/v
Acid. benzoic.	..	..	0234%
Camphor.	..	..	0140%
Ol. anisi	..	..	0140%
Ethyl. nitrit.	..	..	12%
Spt. vini rect.	..	..	3.78%
Glycerin...	..	..	3.125%
Trichloromethan.	..	..	125%
Tinct. senegæ	..	..	1.561%
Aqua ad	..	..	100%

Mitte 20 oz.

"Were I a pharmacist faced with this," I said, "I would feel like beating my head against the wall. And if it appeared as N.H.I. script for which I was to receive 5d. as dispensing fee, my blood-pressure would rise dangerously." There was general agreement, but another pointed out that all the appearance of being some proprietary which the doctor did not wish to prescribe by name, and knew the pharmacist would recognise; and so long as the pharmacist knew what it was he could dispense the ready-made mixture. Still, if he didn't know it, heaven help him!



# PHOTOGRAPHIC DEALER AND THE AMATEUR

st dealers recognise that in post-war years they can look forward to an enormous increase in the pursuit of photography. Societies up and down the country have increased their membership during the past year or four years to an extent that would never have been thought possible before 1939. Exhibitions have received entries far in excess of those of peace-time, and the quality of the exhibits has shown a great advance, especially from the pictorial angle. This is in spite of the facts that fewer films have been obtainable and paper is very scarce. This proves that the films and papers have been used with greater care and consideration to avoid errors and waste. Failures and waste may have been profitable to some dealers, but the writer is not prepared to discuss that aspect. On the other hand, nothing succeeds like success, and where supplies are fewer there is a larger percentage of good results. The worker becomes more satisfied and confident, and hence ever more keen.

## Books on Photography

Dealers who have had displays of photographic books know how these have sold. The public have been avid for them, and have bought them despite the higher cost; there have been "astounding and prodigious" in the words of one dealer in London. Amateurs are learning how to do their own photography, and that is the best possible result that could happen for dealers. The snapshotter who is a D. and P. customer is here today and gone tomorrow, for his camera is put away after a summer holiday until the next. Let a man learn how to use his camera correctly, when and how to take horizontal instead of upright pictures, the meaning of the distance scale, the value of the stops, how to change his film ready for the next exposure before he closes his folding camera, and also how to spring clean the inside of the camera occasionally.

## Post-war Popularity

Is photography going to increase in popularity after the war? The answer to this question is surely "Yes." During the last few years photography has found its way to almost every industry, and every large factory or works is equipped with its own dark room and apparatus suitable for its particular work. It is used in banking, insurance, shipbuilding, engineering, and the textile industries, in scientific, medical and agricultural institutions and wherever

very careful and accurate research is part of the regular routine work; for draughting, planning and copying; for keeping records of work in progress and in many other branches where labour is employed. Many thousands of workers have become interested in the most fascinating work it entails. In the same way, thousands of young men and women in the services are being taught how to take photographs, how to develop and print. A large majority of these when they are demobilised will want to use their knowledge to their own advantage.

## Photography in Schools

Moreover, it is not predicting too much to suggest that during the next few years photography will be used in almost every school and college for teaching young children. The method is already in use in some schools and it has been proved that most boys and girls learn more quickly by visual than by oral instruction. Those boys and girls are the men and women of a few years hence, and a knowledge of the work of cameras will be part of their background. Is it too hopeful to believe that photography will be one of the subjects taught in technical schools in the near future?

These are a few reasons why dealers should have confidence that there are some "boom" years ahead for the photographic departments of retail chemists. The British manufacturers know of the various factors described and have the future much in mind. Their post-war problems are concerned with keeping demand and supply in step with one another, so as to be able to market at prices commensurate with those of foreign competitors, and to ensure a good export trade. Finally, let every dealer become a member of his local photographic society, and a keen camera user himself; let him also contact the local head-masters and education committee.—J. J. C.

**Narcotics Squads.**—"Narcotics squads" in seaport towns are stated to be co-operating with the Home Office drugs department to check an increase in the traffic in narcotic drugs. Several quantities of opium have been seized recently.

**Book on Post-war Industry.**—"Industry after the War: Who is Going to Run It?" is the title of a book by Charles Madge "in consultation with Donald Tyerman" (Pilot Press, Ltd., 3s. 6d.). There is a foreword by Sir William Beveridge.

## INSURANCE ACT DISPENSING

**Scotland.**—Amounts paid for the year 1943 to panel chemists in Scotland in respect of insulin, liver extract and purchase tax were as follows: Insulin, £18,823; liver extract, £6,139; purchase tax, £12,179.

**Lancashire.**—In the area of the Prescription Bureau, during the period July 1 to September 30, 1943, 565,007 prescriptions were dispensed at a total cost of £27,671 (ingredients £15,248), against 539,069 prescriptions and £25,437 (ingredients £13,643) in 1942; and 503,326 prescriptions and £23,109 (ingredients £13,922) in 1941.

**North-east Midlands.**—Insurance prescriptions dispensed since the inception of National Health Insurance by chemists in the areas served by the North-east Midlands' Prescription Bureau total 98,533,713, at a cost of £3,459,123. The number of prescriptions dispensed in 1943 was 5,312,281. A comparison of statistics during the past five years is given in the table below:—

Year	Prescriptions	Cost	Average Cost per Prescription	Average Cost per Insured Person
		£	d.	d.
1939 ..	4,723,444	169,319	8·6	37·0
1940 ..	4,825,148	190,332	9·5	41·7
1941 ..	4,318,524	191,124	10·6	43·4
1942 ..	4,701,384	211,619	10·8	47·9
1943 ..	5,312,281	245,758	11·1	54·3

**Worcestershire.**—A suggestion from the West Bromwich and Smethwick local medical war committee that chemists in the area should keep open later to enable insured persons to obtain medicines after attending evening surgeries came before the Insurance Committee recently. It was urged that, as some doctors' surgeries closed before 7.30 p.m. and most chemists closed at 7 p.m., some insured persons who worked all day did not get their medicine until twenty-four hours after attending the doctor. The Pharmaceutical Committee pointed out that chemists were keeping their shops open until 7 p.m. solely for the convenience of insurance patients. Many factories were working three shifts, and the extension of hours would not help matters; surgery facilities during the day would be more helpful. It was submitted that the Insurance Committee might with advantage to both patients and chemists suggest the earlier opening of the doctors' surgeries. The Committee is to take no action at present.

## RANCIDITY IN OILS AND FAT

CAUSES of rancidity in oils and fats were discussed in a paper by Professor Hilditch F.R.S., read before the Society of Chemical Industry recently. The stability of animal fats *in situ* in the animal body seems to be due, he said, to the absence of access of molecular oxygen to the adipose tissue for there is a deficiency of natural deoxygenants in the tissues. Vegetable seed fats present a different picture. Small thin coated seeds, such as flax, which are free exposed to air during the ripening period and are presumably not impervious to air when stored, nevertheless yield an oil which may show no appreciable oxidation and have all the characteristics of the oil from the freshly-gathered seed. The extracted oil has not this degree of protection.

### Efforts to Isolate Antioxidants

The characteristic "induction period" of a fat, which precedes the onset of atmospheric oxidation, has led to efforts to isolate the antioxidants which accompany various vegetable fats. In maize oil, tocopherols were shown to be the active components. Many other complex compounds containing one or more polyhydroxyphenyl residues have been identified, but neither natural antioxidant extracts nor individual compounds show the same activity as the seed itself. A possible reason is that the antioxidant, and also probably the fat itself, is not "free," but linked with some other complex of a protein or carbohydrate nature. Nature's way, that of excluding oxygen, has been used in preserving some foodstuffs. Dried whole-milk powder was compressed in 30-lb. blocks under a final load of about 10,000 lb. per sq. in. The blocks, shipped from Australia to England were in good condition six months after they were made, but, of course, repulverisation was necessary before use. An alternative method is to store in sealed tins in an atmosphere of nitrogen; the results are excellent, but minute leaks in the containers may cause practical difficulties. Ethyl gallate 0·08 to 0·24 per cent. added to powdered milk keeps it, when stored in air, for three times the normal period. It is not toxic in these proportions and the method has been patented. In concentrations of 0·005 to 0·02 per cent. it gave an excellent extension of the "induction period" protection at 37° C. to commercial standards. More work is required upon liquid oils before any general conclusions can be drawn.



## FIFTY YEARS OF PHARMACY

Liverpool, on February 16, Mr. H. Humphreys Jones, J.P., Ph.C., F.I.C. (Principal, Liverpool School of Pharmacy), gave his impressions and reminiscences of a century in pharmacy. The meeting was held under the auspices of the Liverpool Chemists' Association and local branch of the Pharmaceutical Society. Councillor J. Tristram (a member of the Society's Council) presided.

MR. HUMPHREYS JONES said he was brought up on a small farm in Wales. It is difficult to make both ends meet, but his parents were anxious that he should have a chance to start as a chemist and druggist. In preparation for the preliminary examination, his ex-schoolmaster gave him lessons after he had finished his day's work on the farm. He passed the examination and was apprenticed in an agricultural town, the premium being £20. His indenture bound him faithfully to serve his master (Mr. R. D. Hughes, Denbigh); to keep his master's secrets inviolate; to carry out lawful commissions; not to "do damage to the said master"; to warn his master of any forthcoming danger; not to give away his master's goods; not to contract matrimony, play cards or dice, haunt taverns or playhouses, or absent himself from his master's service unlawfully, day or night. The training was good—not that the master gave him particular attention, but opportunities were afforded to teach himself many things about pharmacy. The routine was: Monday, dress window; Tuesday, pack goods for market day; Wednesday, market day sales; Thursday, turn empties. In his opinion there was nothing to compare with the old apprenticeship system, if the master was reasonable and the pupil enthusiastic. He stayed on with his employer, after completing his apprenticeship, for a wage of 10s. weekly. That must have been a great strain on the chemist, who died a few years later, leaving £30,000."

### Varied Experience

Later he found himself at an old-fashioned business in Hereford, where the proprietor, Mr. Edwin Guy, would not stock "patent" medicines. Mr. Guy was a renowned prescriber, and had a consulting room in which he wrote out the prescriptions, which were made up in the shop. From Hereford, Mr. Jones went to Liverpool as assistant to Mr. James Henry Allan, Ph.C., Breck Road. Mr. Allan, although he

had seven shops, was "more of a scholar than a business man," and at fifty-five qualified as a doctor. Three of his sons also qualified first as chemists and later as doctors. Subsequently the speaker became second assistant with Clay & Abrahams, Bold Street, Liverpool, and in his four and a half years in this position found a rich field of opportunity on the analytical side. In July 1904 he passed the Major examination, and from Clay & Abrahams he went to the Liverpool School. A "nice connexion" was gradually built up, but the school suffered a setback during the war of 1914-18. For three years he was secretary and for another three years president of the Liverpool Chemists' Association. In 1927 he was made a Fellow of the Institute of Chemistry, and passed the London matriculation examination in the same year. Many former students of the Liverpool School of Pharmacy, he said, had qualified as doctors, at least one reaching a position of considerable eminence. As an aside, Mr. Jones said he had looked up the records and found that there were 350 Joneses on the pharmaceutical Register, of that number, ninety-five were old pupils of his; of the 210 Williamsons on the Register, forty-five were old students of the School.

Proposing a vote of thanks to the speaker, Mr. L. MORETON PARRY described Mr. Humphreys Jones as a born teacher. Discipline of the old apprenticeship was good, but he believed the new apprenticeship system would also prove good. DR. F. A. BARRIE, MR. J. L. HIRST, MR. A. J. JONES, and others also spoke.

**Bell's Sale of Food and Drugs.**—R. A. Robinson and R. Ives, 6 in. by 8½ in. Pp. 458 + 52. 21s. Butterworth & Co. (Publishers), Ltd., Bell Yard, Temple Bar, London, W.C.2. Since the previous (tenth) edition of this work control of the sale of food has become more rigorous, as a result of the enactment and enforcement of a mass of Regulations and Orders, and particularly of the Food and Drugs Act, 1938, which codified and amended existing Acts relating to food and drugs (excluding Dangerous Drugs and Therapeutic Substances). Emergency Orders made in consequence of the war occupy seventy-six pages. Three appendices give a bibliography of official publications and circulars from Government departments; chemical notes on common forms of adulteration and substitution; and specimen forms of information.

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The Pharmaceutical Society of Northern  
The Chemists' and Druggists' Society of  
and of other Chemists' Societies in the Empire

XLI MARCH 18, 1944 NO. 3345

act that goods made of raw materials  
ort supply owing to war conditions are  
ised in this paper or described in its  
ial columns should not be taken as an  
ation that they are necessarily available  
port.

## Women Assistants and National Service

ICE appeared in the daily Press last  
to the effect that the Ministry of  
ur and National Service intended to  
up for transfer if suitable to war  
ries all women born in 1923, and that  
it would be made with those at present  
oyed in chemists' shops. In reply to  
quiry we were advised that "the  
ion was taken without consultation  
the Central Pharmaceutical War Com-  
ee." The following statement on the  
ect has now been issued by the C.P.W.C.  
*Withdrawal of Drug Women born in 1923.*—  
ere have been reports in the Press that the  
ve women are now to be withdrawn from  
armacy by the Ministry of Labour and  
tional Service. The decision to do so was  
ken without consultation with the Central  
armaceutical War Committee and a strong  
otest has been lodged with the Ministry  
cially and with the Minister personally.  
e Central Pharmaceutical War Committee  
investigating as a matter of urgency the  
ect of this withdrawal on retail pharmacy,  
d has recommended to the Ministry of  
alth that no names of pharmacists or of  
pensers shall be sent forward to the  
nistry of Labour and National Service for  
l-up until this investigation has been  
npleted."

e made inquiry ourselves at the Ministry  
labour and were informed that "The

original Press notice was unauthorised and incorrect. The Ministry proposed to review the position in regard to all women born in the year 1923 wherever they were engaged in employment other than that of national service. There was certainly no intention to impose a priority call-up on women employed in chemists' shops." The matter now rests with the C.P.W.C. and it is satisfactory to note that, in addition to the protest lodged with the Ministry, the secretary has made personal contact with the Minister.

We are aware that the call-up of men and women is now being stringently enforced, but to withdraw still more women from chemists' shops at the present time would be nothing short of madness, and, in our opinion, directly opposed to the national interest. Already a large number of chemists' shops have had to be closed down because of the call-up of their proprietors and assistants and many others seem likely to cease to function for the same reason during the present year. Those that are left to provide an essential service to the nation are working under the greatest difficulty. It is not putting it too high to say that on average they are working on half staff or less. The Ministry of Labour should be made to realise that the danger mark has already been passed and any further depletion of staffs in chemists' shops will cause a serious breakdown in the pharmaceutical service throughout the country, and the responsibility will be theirs. We offer as a suggestion to the Ministry that if they do require some thousands more young women for national service they should apply to the Government departments and particularly to the war-time Ministries.

## Welfare Vitamin Foods

THE Minister of Food, in reply to a question in Parliament, recently gave particulars of the average weekly intakes of vitamin products obtained from welfare centres, expressed as a percentage of potential in England and Scotland (C. & D., March 4, p. 248). The products covered were cod liver oil and vitamin A and D tablets. For the three months November–December 1943 and January 1944, only 25 per cent.

of the cod liver oil and 35 per cent. of the vitamin tablets available for distribution at clinics in England and Scotland were applied for. In other words, seventy-five out of every hundred mothers did not attend for their cod liver oil and 65 per cent. went without the vitamin tablets.

This is entirely unsatisfactory. It is clear, as the Parliamentary Secretary to the Ministry of Health (Miss Florence Horsbrugh) stated recently in Parliament, that mothers and expectant mothers were not taking due advantage of the cod liver oil available.

### Cause of Poor Distribution

We do not believe the disappointing results quoted above are in the least due to lack of interest on the part of the mothers. Health propaganda of the past few years has spread the gospel of infant and child feeding and welfare with good effect. We are of opinion that the fault lies with the conditions of distribution. These days mothers, if not employed part-time in factories, are fully occupied in domestic affairs and voluntary work. They simply have not the time to attend a centre at a certain hour on a certain day of the week or month, particularly if attendance, as it usually does, involves a journey by tram or bus (which do not cater for perambulators). Further, it is not unusual for the mothers to have to wait in a queue to get served and the service is sometimes anything but attractive.

### Over the Counter

Local authorities and Government departments are, of course, innocent of the fact that, if they want to succeed in a form of trade, the first essential is to study the convenience of their customers. The solution to the problem is simple. These goods should be distributed through their normal channel—over the counter of the chemist's shop. Local medical officers of health could make the necessary arrangements and chemists could act for the Government on payment of a small fee for the service. If this system of distribution was adopted the percentages of intakes of these products would show an immediate and substantial increase.

## Call-up and the Small Trade

WE have been reading with a good deal of interest the text of a recent Parliamentary debate on the subject of the calling up of owners of small businesses, a matter which chemists are not altogether unconcerned. The debate arose as the result of a question put to the Minister of Labour asking why the owners of small businesses were called for National Service and compelled to cease to trade, although large firms, some of which were named, had several thousand full-time employees. Speakers in the debate declared that the present position with regard to the calling up of individual traders was giving much serious concern. Small shopkeepers, it was stated, were going down at the present time, not because they have no customers or goods, but because they were being taken away from their shops for some form of national service.

### "Multiples" Unaffected

One speaker in the course of the debate said he had yet to see a combine or a multi-firm shut down a branch in any part of the country and he asked for equality in these matters. All these little businesses which had been closed down had been set up as a result of thrift, hard work and initiative and he feared that many of them would never open again. Mr. H. N. Ibbotson, Member of Parliament for Putney and secretary of the Pharmaceutical Society, said that what the little man wanted was not only justice but mercy. If the business had to close one or two shops but still retained its goodwill, but if the little man had to close his one shop his business disappeared. If the little man lost his staff his business probably closed, but if the business lost staff it closed one or two floors and carried on. In the case of quota goods its quota was transferred and used in one or two businesses instead of in three or four. On the simple question of whether or not the small trader was to have preferential treatment, it was unnecessary to say that they did not give preferential treatment to the big man. They must give preferential treatment to the small man if they want to keep him alive.

The point of view of the Government



A question was put by the Joint Parliamentary Secretary to the Minister of Labour (Mr. McCorquodale) who, after paying tribute to the small shopkeeper, said they did not endeavour to give equality between large and small interests, but they tried to temper the wind to the poor man's lamb of the small shopkeeper.

### Machinery of Appeal

They had a machine, which the large shopkeeper could not use, allowing appeal on the grounds of personal hardship or exceptional business hardship, where the business was likely to be closed down if the person concerned was withdrawn and a substitute could not be found. In the normal arrangements for calling up they took into consideration the national importance of the particular trade and therefore in food shops and food distribution the call-up was not so severe as it was in non-food stores. As regards deferment, there was no difference between a large and small shopkeeper but the small shopkeeper, either the employer or employee, could and did obtain postponement on the grounds of exceptional business hardship. It appeared that if he or she was called up or directed to another form of national service the shop was likely to be closed.

### Difficult Problem

There is no doubt that the problem created by the calling up of the small shopkeeper is one of the most serious yet encountered during the present war. Any effort on the part of the authorities to handle the question fairly by declining to give preferential treatment to either side apparently results in a better deal for the larger concern, and despite the assurance that the small man has the advantage of an appeal on hardship grounds, it seems that so far he has come off second best in the matter of retaining his goodwill. As there can be no slackening in the tempo of calling up under the National Service Acts it could appear that small shopkeepers will continue to be directed for service in the factory or called up to the Forces. A worsening of the already acute position is therefore inevitable unless some further means can be found to adjust the position and afford some relief to the small trader.

## Chemical Manufacture in India

A SOMEWHAT sombre picture of the position of the chemical industry in India was given by Dr. H. Ghosh in a presidential address to the fifth annual general meeting of the Indian Chemical Manufacturers' Association at Bombay in November 1943. A Board of Scientific and Industrial Research, similar to the Department of Scientific and Industrial Research established in Britain as a result of experiences in the war of 1914-18, was set up in India; but, according to Dr. Ghosh, the staff and resources of the Board have been inadequate; they require extension by co-operation with existing industries. At present, India's chemical and pharmaceutical industries depend on raw materials of which 95 per cent. are imported. Efforts are nearing completion to supply alkali products, and the production of sulphuric acid is daily increasing; but, despite the unlimited supply of cheap coal, there has been little development of coal distillation as a source of supply of basic chemicals for preparing dyestuffs, chemotherapeutic and pharmaceutical products, and fertilisers. A recent estimate of India's requirements in fertilisers for all crops, including rubber, sugar and coffee, was 350,000 tons, yet only 25,000 tons was being produced in India before the war. Only a small amount of synthetic ammonia is being made, and the production of ammonium sulphate from the tar plants has ceased.

### Quinine Supplies

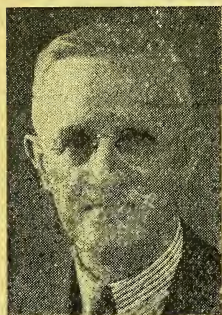
India's need of quinine for domestic requirements is stated to be 600,000 lb. annually, and of this amount she manufactures only 70,000 lb. Large tracts of land suitable for cinchona cultivation are available, but the absence of a Government subsidy has prevented progress in this direction. Opium alkaloids were nearly all imported before the war, and restriction of imports brought about extreme scarcity. Output from the Government factory at Ghazipur is only a small fraction of India's needs; on the ground of possible malpractices, Indian manufacturers have not been allowed to supply the need, even when they agreed to submit to strict Government control.

## N.P.U. EXECUTIVE CANDIDATES

THERE is only one contest in the elections to the Executive of the National Pharmaceutical Union: in Southern 3 Division (Cornwall, Devon, Dorsetshire and Somersetshire). Statements of policy from the two candidates are given below. Voting papers were issued on March 10 and are returnable on March 27.

### Battershill, Frank Easton

Having to contest a seat I have held for four years, may I emphasise the importance



of each member of the N.P.U. in Southern No. 3 Area registering his or her vote? The medicine-stamp duty being abolished, the end of the war will see such competition as we are unacquainted with. "Big Business" recognises an opportunity, and is attracted by price-

protection. Its leaders mean to profit by an Association brought into being and supported by retail chemists, and so snatch a large share of the business pharmacists have built up. The N.P.U. Executive has planned in the Chemists' Friends Association to establish a goodwill that cannot be filched from its members. By backing them with a 100 per cent. C.F. support, members are safeguarding their own future. This is vital. The Executive claims that for thirty years chemists have given a service officially recognised as highly satisfactory. Some pharmaceutical authority will be necessary to organise the full national service visualised, and practising pharmacy must be strongly represented on it. By its persistence, the Executive has succeeded in impressing on the Ministry claims which have begun to improve chemists' remuneration. These and other policies for improved welfare and status of N.P.U. members have my full support.

### Maunder, William Rex

In retail pharmacy for twenty-three years and controls a large pharmacy in Taunton and a second business at Teignmouth. He represents the third successive generation of a family engaged in retail pharmacy. His

candidature is supported by the Somerset Branch of the N.P.U. Mr. Maunder writes: Legislation to be passed in the near future will decide the future of pharmacy for better or for worse and the N.P.U. Executive will bear the responsibility of presenting the case and securing a fair deal in the new scheme for independent pharmacists. I invite support for the following policy:—



There must be a relentless fight for adequate dispensing fees for N.H.S. at least double or treble those now in force. Present terms completely disregard the overhead expenses of the average business and in view of this one may justly marvel at the efficiency of the service of today. There must also be a wholehearted effort to obtain a limitation of the retail sale of all medicines to pharmacists and to reclaim the ground lost during this war following the destamping of proprietary medicines. My firm convictions are that pharmacy must win its fight for fair remuneration for dispensing and it must press for some degree of protection (as is granted to most professions) from the uncontrolled competition which at present besets it in what is but the most troublesome and least remunerative work. The Chemists' Friends scheme, with full support from all concerned, should bring this about. Better conditions will then result for proprietors and their employees alike and improved status will follow. With a workable code of ethics and with a fair living obtainable in pharmacy alone, the right type of businesses will emerge and with them better status for the owners and employees. I am confident that independent pharmacists can more than hold their own against false competition and that there is plenty of room for both independents and multiple side by side provided that any monopolistic tendencies of large groups are suitably regulated.

**A Spring Clean.**—Would probably result in finding a lot of waste paper. Send it for salvage to be repulped. Every piece of scrap is valuable in munitions manufacture.



## MEDICAL ABSTRACTS

**penicillin in Gonorrhœa.**—Remarkable response of cases of gonorrhœa to penicillin is referred to in the "Lancet" (March 11, 1945). In nine cases in Tunisia, all of which had failed to yield to sulphonamide treatment, sodium penicillin was given intramuscularly in doses of 15,000 Oxford units every four hours for eleven or twelve days. "In all cases the improvement was dramatic." Similar results followed intravenous drop administration.

**Light as Bactericide.**—Garrod ("British Medical Journal," February 19, p. 245) has attracted attention to the bactericidal effect of ordinary diffused daylight on hæmolytic streptococci, even when glass is interposed. Specimens of floor dust collected from corridors and floors of hospitals, which are commonly protected today by brick blastings, showed a greater frequency of positive findings of hæmolytic streptococci than in similar specimens taken from first-floor corridors. Dust in wards in which are patients with hæmolytic streptococci infections may contain these organisms in large numbers, especially near beds occupied by infected patients. The darker the room the longer the cocci survive.

**Hyoscyne in Seasickness.**—For many years hyoscyne and other alkaloids of the belladonna group have been recognised as efficient in preventing seasickness, a complaint which may lead to serious loss of efficiency on active service. Hollingworth and others ("Lancet," January 22, p. 127) have investigated the action of several alkaloids of the belladonna group and some derivatives and find that hyoscyne is still the most generally useful. When given in doses of gr. 1/100 it caused, contrary to expectations, no noticeable eye symptoms or drowsiness. The only unpleasant effect was the production of a dryness of the mouth which made mastication difficult. The search for a drug which does not cause dryness has not yet been successful.

**Sulphonamides for External Use.**—The toxic reactions to internal administration of sulphonamides are now well known, but the ill effects of their external use have not been so well recognised. Tate and Klorfajn ("Lancet," January 3, p. 39) describe cases of epidermal sensitisation with irritating dermatitis after a period of sulphonamide application in some skin disease or minor injury. First confined to the area under treatment ("primary eruption"), in some cases the dermatitis appeared later in

regions to which no sulphonamide had been applied. The condition was always eczematous and, as a rule, rapidly cleared with Lassar's paste dressings upon the weeping areas, and a lead and calamine lotion on the dry parts of the rash, but sensitisation remained. In many cases this was so intense as to preclude the use of the sulphonamides for other diseases. In some instances desensitisation has been achieved, but whether this is permanent is not yet known. The authors conclude that topical sulphonamide therapy for skin diseases and minor injuries is unjustifiable and should be discontinued. It should be reserved strictly for cases where the withholding of it might lead to deformity or endanger life.

**Octofollin.**—The discovery in America of a new series of synthetic oestrogens is commented upon in the "British Medical Journal" (February 12, p. 226). The most active of the group is 2:4-di-(*p*-hydroxyphenyl)-3-ethyl hexane, which has the laboratory number of 118B, and to which the name octofollin has been given. The new compound is not chemically related to either the natural oestrogens or to synthetic compounds of the stilbæstrol series, though the chief difference between octofollin and hexæstrol is that the two carbon atoms to which the phenyl groups are attached are not adjacent, as in hexæstrol, but separated by a carbon atom to which the ethyl group is attached. Daily doses of 1 mgm. to 5 mgm. orally given to groups of women at the menopause provided "symptomatic relief." Doses of even 15 mgm daily for fourteen-day periods did not give rise to nausea or vomiting, nor could any effect on liver function, blood or urine be demonstrated. Weight for weight, octofollin is more expensive than stilbæstrol, although five to ten times less active, but against this drawback the advantage is claimed of absence of gastro-intestinal effects. "Taken all in all," states the "British Medical Journal," "the new compound is of theoretical interest, but its practical advantages remain to be proved."

**Why the Doctor Calls.**—"Two old ladies were happily discussing their ailments. Said one: 'But I can never get hold of my doctor—I'm that far away from t' surgery.' The other's eyes sparkled. 'I were, but I moved up t' hill. Now he has to pass t' golf course to see me an' I see 'im every weekend—sometimes twice.'"—"Manchester Guardian."

## MINOR FORESTRY PRODUCTS

IN an address to the Royal Society of Arts, recently, Mr. W. A. Robertson (Director of the Forest Products Research Laboratory, Department of Scientific and Industrial Research) dealt with economic and technical aspects of the recovery from trees of a number of commodities, including rubber, cinchona, cutch, charcoal, etc. Throughout the ages the tendency has been to get over the shortage of supply and the difficulties of collection by turning wild into plantation crops. We can see traces of this as far back as the frankincense crop of South Arabia in the time of Herodotus. Almost within our own lifetime we have seen cinchona, rubber, kapok, hydnocarpus, derris and costus root brought under cultivation, and gum arabic forest, if one may call it so, subjected to management. Lac, though still collected as a wild product, has virtually become a cultivated crop in its chief production centres in India. To the native populations near and around the forests the minor products are of great importance, providing the villager with an immense variety of aids to living. It pays the cultivator to collect myrabolans or boil cutch in the off-season, or the herd boy to collect wormseed.

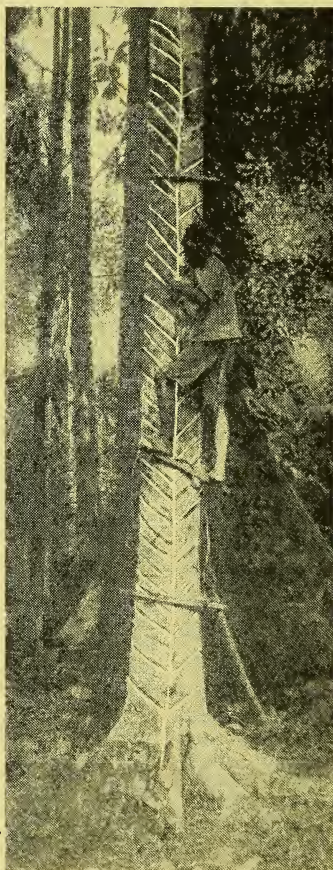
### Adulteration

The chief trouble in the collecting end of the trade is adulteration and lack of grading. Apparently there is a subtle pleasure to be got out of adulterating, which makes up for the lower price the dealer gets as a consequence. This is especially the case with the cheaper gums. Lack of buying specifications for many products also contributes to the trouble. Some consumers seem to have little idea of what they are getting or ought to get.

### Para Rubber Revival

Loss of the chief rubber plantations vivid the collection of wild rubber in Africa where a successful drive has been made to increase production, though the technique

of tapping and preparation was almost forgotten. The revival of collecting wild Para rubber in Brazil has been done on a large scale. Home woodlands have never been important for minor products though oak tanning bark has always had a steady if diminishing demand. British oak galls have served as a pharmaceutical plant but for tanning and dyeing the Mediterranean species are standard. The overseas supplies of tannin concentrates, such as mangrove cutch and quebracho, and the introduction of chrome tanning caused many hundreds of acres of oak coppice forests to become derelict, a made a serious problem for the owners. Certain other barks grown in Britain have a renewed importance (for instance the purging buckthorn which is being called on to supplement the shortage of cascara bark). Before the war, several major industries, which together consumed many thousands of tons per annum, got the bulk of their charcoal supplies from abroad largely via Germany. The old art of burning charcoal in mounds was nearly extinct, and the use of portable steel kilns had only just begun and was



Modern "herring-bone" method of tapping tree for gutta percha.

suffering from teething troubles. Luckily a colleague at the D.S.I.R. (the late Mr. H. Donald) had spent the two years previous to the war in developing the design of a portable steel kiln and the technique of using it. This kiln was at once adopted with success by the Forestry Commission and several private firms. As a result, the shortage was made good in six months, and the



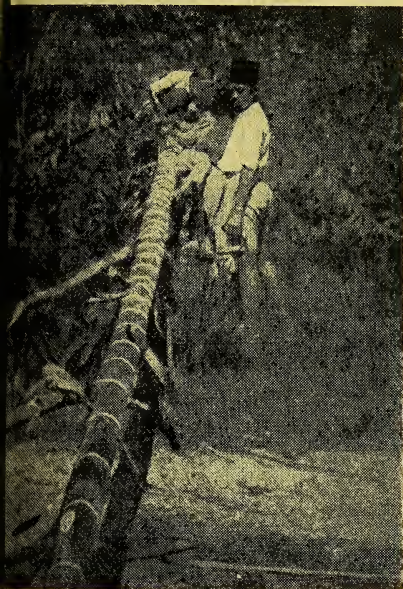
country has been self-supporting ever since. Distillation plants have operated in the country for years, but their out-turn was well below the total consumption of charcoal. The shortage of petrol gave an impetus to the use of charcoal as a fuel for producer-driven vehicles, especially in Australia and New Zealand. One can admit that no one would use producer-gas if he could get

most valuable constituent of the French and American turpentines. The industry is now some forty years old, and has given a good revenue to the Government, which owns the forests, and to the workers in the surrounding villages. They get something like £50,000 a year from the industry.

### Alternative Sources of Drugs

It is with great hesitation that I touch on the pharmaceutical side, though it is interesting to see that the cinchona shortage has revived the collection of the wild bark in South America and, of course, the collection of British wild belladonna has resumed importance. It is difficult to get accurate information from the jungle dweller as to how and why and for what he uses his home-collected drugs, but the tales told about them are often astonishing. Presumably most of the outstanding drugs have been investigated, but there is still work to be done, if only to find other sources of supply, as has proved successful in getting ephedrine from other than Chinese sources. It is easy to slip up over these drugs. I remember, in the last war, when supplies of Indian *nux vomica* were short, someone had the idea of collecting it in Burma. No one there had any familiarity with the Indian plant and relied on textbook identification. I had noticed myself some years earlier that the fruits of the Burmese plant were apparently eaten with impunity by bears, but supposed that our local bears had specially tough insides. When, however, the Burmese *nux vomica* "buttons" came to be analysed, they were found to contain next to no strychnine, and the botanical identification had to be changed to *Strychnos nux-blanda*.

[The illustrations are reproduced by permission of the Director, Imperial Forestry Institute, Oxford University.]



A destructive method of extracting gutta percha by felling the tree.

rol, but one can see how wise it would have been to have developed this source of supply over in the Colonies, more particularly in Africa.

### Indian Turpentine

The occupation of France deprived Britain of part of its supply of other important minor products, turpentine and colophony, though the bulk of supplies had always come from the southern states of the U.S.A. Within the Empire existed an important resin-tapping industry in India, which produces some 8,000 tons per annum. By introducing the French method of tapping and distillation, colophony of the highest quality is produced, and a good quality of turpentine, though the unfractionated turpentine is a mixture of several terpenes, such as carene and longifolene, besides the pinene, which is the main and

**Care of Sacks.**—The demand for sacks has increased enormously in war-time, and the utmost economy in their use is necessary. Users are asked to co-operate to ensure that each sack is used only for essential purposes, and that it is used many times. Sacks should be kept dry; over-filling should be avoided; sacks should be kept clean and not stored where they can be contaminated; when opening sacks the string only should be cut; empty sacks should not be allowed to accumulate; each organisation should make one or more persons responsible for the care of sacks and bags; idle sacks should be turned out; damaged sacks should be repaired or disposed of to an authorised dealer.

## INDIAN PHARMACIES AT CLOSE QUARTERS

THE following account of visits to pharmacies at Ernakulam, India, is taken from a letter sent to Mr. E. A. Brocklehurst, Hull, by L.A.C. David E. Davies, R.A.F.

Strolling down the main street of Ernakulam Broadway (no wider than Manor Road, Hull), I came across a pharmacy. It was comparatively large. The climate being usually so dry and hot, they merely board the place up when they close at about 8.30 p.m. Mounting three steps I found myself before a long glass counter with a glass showcase at one end displaying surgical appliances and instruments from stethoscopes to kidney dishes. Behind the counter were two dispensers, both without qualification, all their knowledge having been gained on the premises. It appears that the establishment belonged to a doctor who had a surgery some distance away. I explained that I was connected with pharmacy in England, and immediately they were pleased to show me round. I made my way behind the counter into the small dispensary. The balance might have been our own: it was exactly the same and just as clean! The weights were similar, but they bore no signs of Customs and Excise marks and, so far as I could gather, they were never checked; the same with the fluid measures.

### Poisons Freely Sold

Examining the prescription book, I found quite a usual selection of scripts: an average of ten or twelve per week, though I was told that at the surgery an average of 100 were dispensed weekly. Whilst I was looking over the prescription book a customer came to the counter and asked for a bottle of Parke, Davis' tincture of digitalis. He was promptly served, and after he had gone I inquired: "Is he a doctor?" "I don't know" was the reply. "I think so."

"But is it usual to sell poisons to anybody, without making sure they know how to use them?" Apparently it was.

I inspected the stock of drugs arranged all round the shop on shelves. There seemed to be little sign of order, and poisons were in no special bottles, although they bore a red label marked "Poison." Most bottles were about 1-lb. size. Some twenty 1-lb. glycerin bottles occupied one shelf, and right in the middle was 1 lb. liq. hydrarg. et iodi, slightly yellow with age but with no indication of exactly how long it might have been in stock. Most of the drugs were purchased from a firm in Calcutta, but the bottles bore no date or price. English firms were repre-

sented, however, and amongst them I saw a bottle of chlorodyne from our old firm C. R. Harker, Stagg & Morgan, Ltd., End, London (it made me quite homesick).

### High Price for Quinine

I came across a bottle of pulv. quin. and inquired the selling price: it was Rs. 1 per oz. (£1 1s.). And quinine is grown in the country! Of course, consumption is far in excess of output; formerly, much quinine was imported from Java. I saw tab. M & F (sold at 6 annas per tab.) along with Glaxo, May & Baker preparations; Parke, Davis' specialties (some manufactured in U.S.A. and some in England), Wellcome brand; Glaxo Laboratories, Roche, Bayer preparations. Whilst I was there the representative of the Teddington Chemical Co. called. The company, an Indian concern, specialises in the manufacture of injections and extract. Indians seem to be injection-conscious. I talked for quite a while with the representative of the Teddington Chemical Co. He informed me that at the time he used to represent Bayer Products Ltd., and that his territory covered Madras and Singapore; for obvious reasons he had to change his grounds. He confessed that he had great difficulty in persuading doctors to use the Teddington preparations, because they were made in India. The majority of the doctors prefer either English or American preparations. It is not hard to understand the sentiment of the doctors. In Madras I have seen pharmacies which obviously confine their activities purely to dispensing and the sale of ethical preparations. They stand out in marked contrast to the drab surroundings. Unfortunately, so I've not had the opportunity of either seeing inside such a pharmacy or talking with the proprietor.

### Homœopathy

Homœopathy seems to hold a certain sway in Ernakulam, there being a homœopathic pharmacy and a homœopathic clinic. I had a brief look round the pharmacy. The proprietor seemed to have great faith in his profession, for which he had spent ten years studying in Calcutta. He had a large selection of typical homœopathic drugs. His measuring instruments consisted of a broken minim measure, and a balance which I should say would be roughly accurate to  $\frac{1}{2}$  oz. Still he was very enthusiastic about homœopathy and was very courteous to me in showing me round.



# TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include the war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, March 15

During the past week the London drug and chemical markets have been devoid of news, though small but steady routine transactions have been carried on. Price quotations have generally been of a minor character, and rather few and far between. Dealers report that a good deal of time is spent in searching for supplies, generally the stock position seems to be reasonably good. Little of interest has been heard in PHARMACEUTICAL CHEMICALS, being confined to small routine orders, with no new price changes.

## Drugs

The quietness of these markets, which has been the prevailing feature for many weeks, has continued during the past week, with only a few changes in quoted values. CURAÇAO ALOES may be had on spot, but no supplies of Cape are available. CAMPHOR is unobtainable on spot; though import licences are being issued, supplies are not likely to arrive for a considerable time. BENZOIN is selling at advanced rates for pharmaceutical purposes at advanced rates. First arrivals of BUCHU are due shortly. CARDAMOMS are completely neglected. CHILLIES and other spices are quiet, with values largely unchanged in view of restricted business. Spot supplies of COCHINEAL (blacks) appear to be exhausted. Fine white COLOCYNTH PULP is available at the rather lower quotation of the last week. Portuguese DIGITALIS supplies are steady. Spot supplies of ERGOT are restricted and tend dearer. GUM ACACIA continues in fair demand. The position of GUAYACUM is unchanged. Spot supplies of GALBANUM are exceedingly poor. Prices of other supplies of Russian LIQUORICE ROOT tend to be dearer. MENTHOL continues to be wanted, but supplies are becoming increasingly difficult to find. Imported oils of all descriptions are dull.

## Essential Oils

No new developments have occurred in the articles during the past week, with the exception in the "free" oils now almost negligible. High prices are mentioned for the available supplies of ANISE (STAR) and PEPPERMINT. The current prices for Condensed ESSENTIAL OILS are given on p. 321.

## Pharmaceutical Chemicals

AMPHETAMINE.—Makers' prices are unchanged at approximately 150s. per lb.

BORIC ACID.—Makers' quotations are unchanged: B.P. granulated, £60 15s. per ton; crystal, £61 15s.; powder, £62 15s. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CITRATES.—Makers' quotations for POTASSIUM, B.P., are at the following prices per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). IRON and AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below, these prices.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.), HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 90s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Prices per lb. for the home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

MAGNESIUM CARBONATE, HEAVY.—Makers' quote for the home trade the following prices per lb. in quantities of 28 lb.—1 cwt. (containers in brackets): 1s. 6½d. (1-lb.); 1s. 5d. (4-lb.); 1s. 4d. (7-lb.); 1s. 3½d. (14-lb.); 1s. 3d. (28-lb.). Prices net one month.

MAGNESIUM OXIDE, LIGHT.—Makers' prices per lb. for the home market, for quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 2s. 8d. (1-lb.); 2s. 6½d. (4-lb.); 2s. 5½d. (7-lb.); 2s. 5d. (14-lb.); 2s. 4½d. (28-lb.).

PHENOLPHTHALEIN.—Makers' prices are steady as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

SANTONIN.—Home-trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos,

£63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 560 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

**STRYCHNINE SALTS.**—Makers' prices are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
Alkaloid, crystalline ..	5 8	5 6	5 4½
Alkaloid, precipitated..	5 8	5 6	5 4½
Acetate .. ..	5 11	5 9	5 7½
Arsenate .. ..	5 11	5 9	5 7½
Arsenite .. ..	5 11	5 9	5 7½
Bisulphate .. ..	4 10	4 8	4 6½
Hydrochloride .. ..	5 5	5 3	5 1½
Hypophosphite .. ..	9 2	9 0	8 10½
Nitrate, crystalline ..	5 5	5 3	5 1½
Nitrate, powder .. ..	5 5	5 3	5 1½
Nitrate, powder, No. 2	4 8	4 6	4 4½
Phosphate .. ..	6 8	6 6	6 4½
Sulphate, neutral, cryst.	5 0	4 10	4 8½
Sulphate, neutral, powder .. ..	5 0	4 10	4 8½
Sulphate, neutral, powder, No. 2 .. ..	4 5	4 3	4 1½

Terms and conditions are unaltered.

**TANNIC ACID (LEVIS EX ETHER).**—Quoted at 10s. 6d. to 11s. per lb., according to quantity.

**VANILLIN.**—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 55 lb., 21s. 9d.

## Crude Drugs

**AGAR.**—Selling slowly at 30s. per lb., the maximum price fixed by the Control of Agar (No. 1) Order, 1943.

**ALOES.**—No spot supplies of Cape are available and forward quotations are difficult to obtain. Small quantities of Curaçao may be had on spot at 400s. to 425s. per cwt., with higher prices quoted in some quarters.

**ANTIMONY.**—English minimum 99 per cent. regulus is quoted at the unchanged price of £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

**ARECA NUTS.**—Spot supplies may be obtained from dealers at 115s. per cwt., ex store.

**BALSAMS.**—*Peru* can be obtained on spot at 8s. 3d. per lb., and *Canada* at 10s. 6d. *Tolu* and *Copaiba* are unobtainable; import licences for the former are being issued, but it will be some considerable time before supplies are available.

**BELLADONNA.**—Indian leaf testing 0.4 per cent. can be purchased at 5s. 3d. per lb. on spot; Indian root, 0.49 per cent., would be 500s. per cwt., and 0.36 per cent., 330s.

**BENZOIN.**—About £25 per cwt. would be the spot price of Sumatra block for pharmaceutical use; free "almonds," from £35.

**BUCHU LEAVES.**—First arrivals are due shortly and will be worth about 6s. per lb.

**CAMPHOR.**—Dealers are still able to offer limited quantities of Chinese crude at 10s. per

lb., and B.P. at 11s. 6d., but sales are restricted to purchasers for approved purposes.

**CARDAMOMS.**—Aleppy greens are steady spot at 5s. 6d. per lb., and Aleppy seed 6s. 6d., split seed would be 5s. 6d. per Business is exceedingly quiet.

**CHAULMOOGRA.**—*Hydnocarpus*, spot, 1s. per lb., for tins in cases.

**CHILLIES.**—Mombasa now quoted at 11 per cwt., sellers.

**CLOVES.**—Zanzibar, on spot, now 1s. 2d. lb., sellers. Second grade, to arrive, 10d. lb., c.i.f., sellers.

**COCHINEAL.**—Spot supplies of blacks appear to be exhausted.

**COCOA BUTTER.**—The maximum price imposed by Order is 1s. 5½d. per lb. Sales at other prices require a Ministry of Food licence.

**COCONUT (DESICCATED).**—The maximum price, as fixed by Ministry of Food Order, 49s. per cwt.

**COLOCYNTH.**—Fine white pulp is offered spot at 3s. per lb.

**DIGITALIS LEAVES.**—Portuguese leaves steady at the easier price of 130s. per cwt. no last week; English-grown leaves, 2s. 6d. per

**DRAGON'S BLOOD.**—Dull Zanzibar drop offered on spot at £21 per cwt.; no other varieties can be had at present.

**ERGOT.**—Spot supplies are restricted, with holders now asking 6s. 3d. to 6s. 6d. per lb.

**GUM ACACIA.**—Continues in fair demand unchanged prices. Kordofan cleaned sorts, 8 per cwt.; bleached, shipment, 140s., c.i.f. Talha, cleaned, 50s. per cwt., landed.

**HENBANE.**—Some Indian root of low type is offered on spot at 1s. 3d. per lb.; Russian root, 3s. 6d.

**IPECACUANHA.**—No change in the position as previously outlined. Current prices of *IPECAC. LIQ.* are as follows: Winchesters, B. 1932, under three, 32s. 6d. per lb.; three and under six, 32s.; six and under twelve, 31s. 6d. twelve and over, 31s.; B.P., 1914, under three, 30s. 6d.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. per lb.; all prices quoted are on a net basis.

**JALAP.**—Supplies are exceedingly poor. Little Brazilian root (13 per cent. resin) can be had at from 175s. to 200s. per cwt., according to seller.

**KAMALA.**—Material with ash under 6 per cent. would fetch 1s. 9d. per lb.

**LIQUORICE ROOT.**—It is hoped that a large quantity of Russian root will be released soon but prices are likely to be higher. Single-pec Syrian may be obtained on spot at 110s. per cwt., subject to D.M.S. approval.

**MENTHOL.**—Demand is good but difficult to meet, although some supplies are stated to be available at from 120s. to 125s. per lb. The market seems to be very little left at 95s.

**MERCURY.**—Official spot quotations range from £68 10s. to £69 15s. per flask, according to



conditions and quantity, with higher rates smaller lots and redistilled grades.

**YRRH.**—Steady and unchanged. Aden sorts, £20 per cwt.

**UTMEGS.**—West Indian, spot, wormy and ten, is. 4½d. per lb.; sound unassorted, 7½d.

**UX VOMICA.**—Cochin for shipment is quoted 2s. 6d. per cwt., c.i.f., sellers' licence.

**RANGE PEEL.**—Spot supplies appear to have cleared.

**PEPPERS.**—Maximum prices of whole, not ed over or cleaned, on sale to processors, is. 4d. per lb. for white, and is. per lb. for k, both duty paid.

**MENTO.**—Price has again declined. Spot, 5d. per lb., sellers.

**GUILLAIA BARK.**—Crushed or cut, spot, 90s. cwt.; natural, 75s.; shipment, 55s., c.i.f.

**HUBARB.**—Rough-round is not plentiful and bid command a spot price of 8s. 9d. to 9s. lb.

**SEEDS.**—Imported seeds of all descriptions dull, with little business passing. Current s are: **CORIANDER.**—Indian, 80s. per cwt. **IN.**—Maltese, spot, 110s.; Indian, 105s. **IN.**—160s., ex wharf. **FENNEL.**—Offered at **FENUGREEK.**—May be had at 80s. Mus- **O.**—Controlled prices are unchanged.

**ENNA.**—Alexandrian medium pods are at per lb.; Tinnevely, manufacturing grade, to 6½d.; hand-picked, 8½d. to is.; broken andrian leaves, is. 3d. to is. 4d.; siftings, ½d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, to 7½d.; No. 3, 5½d. to 6d.

**QUILL.**—Steady. Portuguese, spot, 75s. per lb.; Indian, 70s.

**RAGACANTH.**—Demand continues; prices are changed. The principal medium grades are ed as follows: No. 1, white, £130 per cwt.; 2, white, £115; No. 3, white, £100; No. 4, e, £85; pale leaf, £60; amber leaf, £50; s amber, £40; brown leaf, £30; red-and- n leaf, £25; red leaf, from £20; hoggy, to £15.

**URMERIC.**—Sound Madras finger, spot, 6d. per cwt., London; 50s., Liverpool; 6d., Glasgow.

**WAXES.**—**BEES'.**—Supplies may be obtained through members of the Association of chant Distributors of Beeswax; official es are as follows: Crude, 260s. to 290s. per ; refined, 315s. to 355s.; bleached, 340s. 370s.; Calcutta crude, 250s. to 270s.; utta bleached, 325s. to 335s. **CARNAUBA.**— ty grey, 425s. per cwt., ex store, in minimum bag lots; shipment, 385s., c.i.f.; Primeira, s. per cwt., ex store, with stocks scarce; um yellow, 527s. 6d. per cwt.; chalky , 405s. per cwt.; shipment, 375s., c.i.f. f. prices include ½ per cent. W.R.I.). **CAN- ILA.**—As noted recently, prices have been ed as follows: Under 1 ton, 235s. per cwt.; tons, 232s. 6d.; 5 tons and over, 230s., store; forward, 225s. per cwt., c.i.f.

## Essential and Expressed Oils

**ANISE (STAR).**—Any small quantities avail- able would probably fetch prices as high as 120s. to 130s. per lb.

**CAJUPUT.**—Supplies are restricted; spot, if available, about 15s. per lb.

**CASTOR.**—Controlled price for bulk lots is £92 per ton for firsts and £90 for seconds, both naked ex works.

**CINNAMON.**—Leaf oil, if available, would be worth approximately 15s. 6d. per lb.

**CLOVE.**—No change in English distillers' prices for genuine B.P. oil at 11s. 6d. to 12s. per lb., according to quality.

**COCONUT.**—Bulk supplies of refined deodor- ized are officially quoted at £49 per ton, and refined hardened deodorised at £53, both naked ex works.

**COTTONSEED.**—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton, naked ex works.

**EUCALYPTUS.**—In poor supply on spot; 70 to 75 per cent.; about 6s. 3d. per lb.

**GROUNDNUT.**—Controlled prices for bulk supplies are as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £63; all naked ex works.

**NUTMEG.**—English distillers' prices are steady at 40s. per lb.; lower prices for quantities.

**RAPESEED.**—Bulk supplies are officially quoted at £70 per ton, naked ex works.

**Controlled Essential Oils.**—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3½d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
„ (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5d. duty)

Owing to differences in rates of insurance applying to oils from the different West Indian Islands, it has been found necessary to increase the maximum price of distilled LIME OIL to the user to 50s. per lb. It is emphasised that this is a maximum price, and that considerable variations will occur according to the origin of the actual goods.

## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Soft Soap

Sir,—Owing to the paper restrictions resulting in your having to publish an abstract only of our "Note on Soft Soap" (*C. & D.*, March 4, p. 264), the writer "Interested" (*C. & D.*, March 11, p. 296) has evidently got a wrong impression of the reason we suggest for the poor solubility of the soap in alcohol. We did not ascribe this entirely to variation in type of fatty acid. The actual words we used in the original paper were: "In general, potassium soaps are more soluble in alcohol than the respective sodium soaps, and the salts of the saturated fatty acids are less soluble than those of the unsaturated fatty acids. Increase in molecular weight causes a decrease in solubility in alcohol. The wide range of the source of the Third Addendum soap, therefore, introduces the possibility of a variation in the solubility in alcohol." The point that "Interested" raised regarding the difference in solubility between potassium and sodium soaps has thus not escaped our notice.

Yours faithfully,

Edinburgh, 8. GEORGE H. MACMORRAN.  
DAVID TAIT.

### Election Propaganda

SIR,—"Voter" (*C. & D.*, March 11, p. 296) protests against the unnecessary waste of paper used for election circulars by prospective members of Council. There is little doubt that his remarks are to some extent justified, but in my judgment for a reason quite different from that which he puts forward. Some of us have felt that the issue of the nomination papers so early in the year, before pharmacists have had an opportunity of either hearing or reading the election addresses of members or prospective members of Council, is certainly hardly fair, especially to the latter. We believe that the majority of voters waste little time in filling up their forms and returning them. It is probably weeks later that they get to know something of prospective members, by which time it is too late to revise their decision. In future, therefore, it is suggested that, in fairness to all, prospective members, at any rate, should have an opportunity of stating their case either publicly or in writing at least some weeks before the voting papers are issued.—Yours faithfully,  
PHARMACEUTICAL CHEMIST.

## COMING EVENTS

Sunday, March 19

MANCHESTER PHARMACEUTICAL ASSOCIATION  
Ramble round Macclesfield. Meet London Road Station, 9.30 a.m. Book Macclesfield return.

PHARMACY BRANCH, ST. JOSEPH'S YOUNG PRIESTS' SOCIETY, 23 Merrion Square, Dublin at 3.30 p.m. Annual meeting. Address the Very Rev. Fergal McGrath, S.J.

Monday, March 20

TEES-SIDE SECTION, BRITISH ASSOCIATION OF CHEMISTS, Y.M.C.A. rooms, Stockton, 7 p.m. Mr. A. Heron on "Micro-analysis."

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, St. Mary's Hospitals lecture theatre, Whitworth Street, at 7.30 p.m. Dr. Sayle Creer, F.R.C.S., on "Some Food Troubles" (illustrated by Technicolour film).

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 1.45 p.m. Mr. Franklin Kidd (Superintendent, Low Temperature Research Station, Cambridge) on "Dehydration of Foodstuffs" (first of the weekly Cantor lectures).

Tuesday, March 21

ROYAL INSTITUTION, 21 Albemarle Street, London, W.1, at 5.15 p.m. Sir Henry Dargall, G.B.E., on "Chemical Factors in Nerve Effects" (followed by second lecture on March 28).

Wednesday, March 22

GUILD OF PUBLIC PHARMACISTS. Visit laboratories of Pharmaceutical Specialties (May & Baker), Ltd., Dagenham. (Open to members who have booked in advance. Second party on March 23).

Thursday, March 23

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 3 p.m. Mr. A. L. Bacharach, M.A., on "Penicillin."

HARROW BRANCH OF THE PHARMACEUTICAL SOCIETY, Gayton Rooms, Station Road, Harrow, at 7.15 p.m. Discussion on proposed national health service.

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS AND BRANCH, Church Institute, 27 Romford Road, Stratford, London, at 2.45 p.m. Addresses by candidates in the Pharmaceutical Society's Council election.

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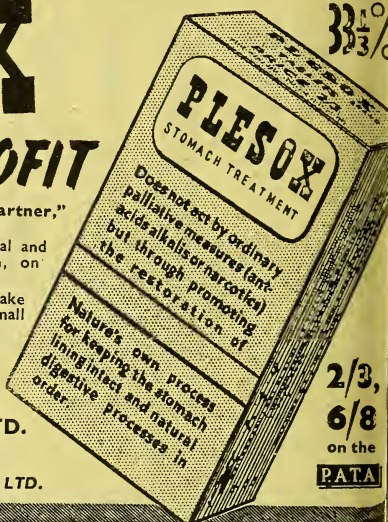
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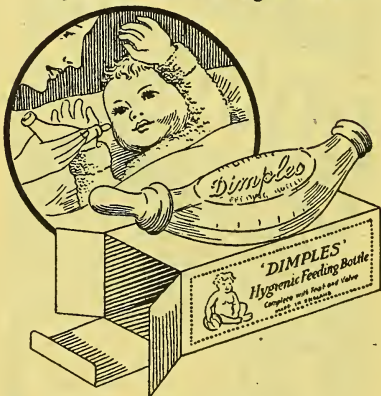
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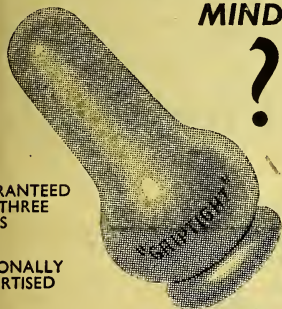
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## WHOLESALE

**CHAIN STORES DIVISION**. Perfumery, and Proprietary Medicines. Lady Burdett required for group of popular price stores centred in London. Applicants must have the right experience and contacts which coupled with imaginative enterprise should provide excellent future opportunities. Reply, giving salaries earned, age, complete details of buying experience to 560/126, C. & D. London Office.

**EXPERIENCED** Forewoman wanted for Food Goods Department of Manufacturing Chemicals, Apply, C. R. Harker, Staggs & Morgan, Ltd., Epsom, Surrey, E.I.

**FIRM** manufacturing Pharmaceutical Products requires a Food Products representative. Experienced man to take charge of Order Department. Apply, stating age, experience, salary required to 561/126, C. & D. London Office.

**LABORATORY** Assistant. Wanted young man or woman to assist with chemical and pharmaceutical preparations. Apply, Skuse & Co., 841 Harrow Road, Willesden, N.W.10.

**MESSRS. BELL & Sons, Ltd.**, Veterinary Chemists, Silverdale Works, Liverpool, will be pleased to consider applications from experienced Salesmen of high integrity for vacancies in the South, South and North Midlands for the sale of George Bell's Pet Remedies. Established connexions in all districts. Apply Sales Director as above.

**POSITION VACANT**. London manufacturing chemists require Under-Manager or Manager, exempt, to take charge of packing and ampouling departments. Experience in preparation of solutions and ampouling an advantage. Preference given to qualified applicant. Good post-war prospects. Full details and salary required to 560/126, C. & D. London Office.

**PROGRESSIVE** Organisation requires Qualified Chemist for Pharmacy Department. Either exempt national service. Good salary and prospects. 444/353, C. & D. London Office.

**PROGRESSIVE** Merchant Company contemplating establishing department dealing with Chemicals and Pharmaceutical raw materials, etc., and in applications for position as departmental Manager. Write stating full particulars of experience, age, salary required. 561/127, C. & D. London Office.

**REPRESENTATIVE** required for Midlands territory; preferably with own car; resident in Birmingham or Coventry area; exempt military service; to call on chemists, stores, etc., for well-established manufacturers of proprietary and animal medicines. 561/125, C. & D. London Office.

**REPRESENTATIVES** wanted to carry advertising lines of cosmetics, calling on retail chemists, stores, on commission basis; territory vacant in Eastern Counties, Midlands, South Coast and England. Write in confidence. 561/124, C. & D. London Office.

**REPRESENTATIVE** calling regularly on Chemists in Bristol area required by small old-established manufacturing chemists to carry locally advertised Cough Mixture on commission terms. CDB/269, D. London Office.

**SECRETARY-TYPIST** required at once for Chemical Manufacturer, Fulham. Good salary for the right applicant with knowledge of the Pharmaceutical Trade. Whiffen & Son, Ltd., Fulham, S.W. Telephone: Fulham 0037.



## APPOINTMENTS

### COUNTY MENTAL HOSPITAL

PRESTWICH, MANCHESTER

TEMPORARY ASSISTANT PHARMACIST required. Salary, £240 increasing to £300 per annum, plus war bonus at present £36 10s. per annum for females or £45 12s. 6d. for males. Good prospects of permanency and promotion to Chief Pharmacist. Applications, stating age and experience, also copies of three recent testimonials, to be addressed to the Medical Superintendent.

### EAST SUFFOLK AND IPSWICH HOSPITAL

IPSWICH

Assistant Pharmacist (qualified) required. Hospital experience preferred. Commencing salary, £275 per annum. Apply, Arthur Griffiths, Secretary, The Hospital, Ipswich.

### MIDDLESEX COUNTY COUNCIL

Assistant PHARMACIST required at WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middlesex. Candidates must hold one of Pharmaceutical Society's qualifications. Commencing salary, £250 p.a. Annual increments of £10 up to £300 p.a. considered. Additional cost of living bonus (now £44 6s. p.a.). Unestablished staff. Whole-time duties under Medical Director and Chief Pharmacist. Application, stating age, nationality, qualifications and experience, enclosing copies of not more than three recent testimonials, to Medical Director "L1" of Hospital. Application forms not provided. (Male candidates should state position with regard to military service; women should not be liable for national service.) Closing date 25th March, 1944. Middlesex Guildhall, Westminster, S.W.1. C. W. RADCLIFFE, Clerk of the County Council.

### ST. THOMAS'S HOSPITAL, S.E.1

Pharmacist required immediately. Salary, £225-£300, according to experience. Apply by letter to the Pharmacist.

### THE SOUTH LONDON HOSPITAL FOR WOMEN

CLAPHAM COMMON, S.W.4

DISPENSER (woman), part-time, required. Hours by arrangement. Apply with particulars of experience to the Secretary.

## BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

**G**ENUINE business required; ready cash for sound proposition. 561/121, C. & D. London Office.

**W**ANTED. High-class Chemist and Photographic business with substantial turnover. West Riding of Yorkshire preferred. Offers, which will be treated with the strictest confidence, to Wheawill & Sudworth, Chartered Accountants, 35 Westgate, Huddersfield.

## BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

**L**ONDON (near Baker Street). Old-established Business for sale; returns last 6 months, £772; excellent prospects for owner-manager; in present hands 17 years; owner leaving retail; price £850 or £250 plus stock and fixtures; part could remain. 561/120, C. & D. London Office.

**ICAL.** Experienced woman required (not eligible for National Service) for Sales and to deputise to buyer. Apply, personally, Selfridges' office.

**TED.** Lady Pharmacist for manufacturing Laboratory, S.W. England, M.P.S. qualification. Required to undertake interesting research for large manufacturers in toilet and hair-dressing field. Permanency, with excellent post-war salary. 561/118, C. & D. London Office.

**TED** Representative with knowledge of Wholesale Pharmaceutical Chemical Trade, and commission. 561/136, C. & D. London

**T** London Manufacturing Chemists require a Pharmacist Dispenser and Wet and Dry Hands in the Drug Department. Good and post-war prospects offered to suitable persons. Write 561/138, C. & D. London Office.

## AGENCIES

36 words or less, 2d. for every additional word.

**OD** Agency with post-war prospects required for the North of England and Scotland. Referenced. 559/982, C. & D. London Office.

**NT** firmly established and well-known in the better-class Stores, Chemists, etc., in the north half of England, wishes to act for firming Sponge Bags, Cosmetic Bags, Flapjacks, and general Fancy Goods. Advertiser has licence and permit, is willing to carry goods, but interested in best quality lines paying high commission. 560/104, C. & D. London Office.

**NTS** wanted for certain areas for Virdox Vitamin Food. Apply Virdox, 75 Kingsway,

**TERN** IRELAND. Well-known and experienced Representative seeks additional sound business, present and post-war. Excellent and long-standing connexion wholesale and retail trades. Commission basis, only reputable firms considered. 560/104, C. & D. London Office.

**GRESSIVE** Agent with 20-year connexion in London and Home Counties, guarantees maximum sales and good will for first-class lines with maximum potentialities. Delivery of small lines. 561/104, C. & D. London Office.

## EXPORT TRADE

**SRS. DINKER & CO.** 88 Vithalbhay Patel Road, Bombay, 4, General Merchants and Exporters, invite connexions from competitive manufacturers and reliable exporters handling chemicals, dyes, colours and allied articles for chemical trade.

## MISCELLANEOUS SALES

60 words or less, 1/- each additional 10 words or less.

**Sale.** Hand-operated, Tube Filling Machine, 0-4 lb. capacity, in perfect working order; very used since new. Suitable for filling 1-oz. or 2-oz. jars; fittings supplied. First £35 secures. Write to Pharmacist, 36 High Street, Dublin, N. Ireland.

**CLEAR.** 30 gross 2-oz. squat Flint Jars, black enamelled screw caps, 40s. per gross. 1-oz. fancy pyramid Flat Bottles, bakelite caps, 32s. per gross. 6 gross 1-oz. cylindrical screw caps, 36s. per gross. M. J. Sundries (Chemists Sundries), Ltd., 57-58 Wells Street, W.1.

**OXFORD.** 80 gall.; Coumarin, 14 lb.; Rosemary Oil, cwt.; Calcium Gluconate, 3 cwt.; in Crystals, cwt.; Lauric Acid, 8 cwt.; Borneol, 5 cwt.; Cera Alb., 63 lb.; White Oil, drum; Citric Acid, 2 cwt.; Borax, B.P., 5 cwt.; Paracetazyleneol, cwt. Write Henshaw, M.P.S., Mount Road, Weymouth. Tel. 448.

**WANTED**

7/6 for 36 words or less, 2d. for every additional word.

**ASPIRINS.** Large or small quantities required by pre-war Aspirin Packers. Harringtons, (London Office), 2 Berridge Green, Edgware, Middlesex. Telephone: EDG 3610.

**ASPIRIN** Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

**CAFFEINE** Alkaloid or Citrate B.P. required in large or small quantities; state lowest price or would exchange for sellers' own requirements if possible. Reade Brothers, Ltd., Wolverhampton.

**CALCIUM** Gluconate required for immediate and forward delivery. Best prices paid. Immediate Cash. 558/942, C. & D. London Office.

**CHEMIST AND DRUGGIST DIARY**  
FOR 1944

5/- will be paid for good copies of the "C. & D." Diary for 1944. Despatch should be advised by postcard and copies sent by post to The Publisher, The Chemist & Druggist, 17 Argyle Street, Bath, Somerset.

**LECITHIN** wanted, any quantity; submit sample and lowest price. Chas. H. Windschuegl, Ltd., 1 Leadenhall Street, London, E.C.3.

**REQUIRED.** Premier or similar vertical type Colloid Mill. Rotors must be in perfect condition. Quote age, purpose last used, price etc. 561/137, C. & D. London Office.

**ROSE,** Otto, Jasmin and other flower absolutes wanted. No quantity too small. Highest prices in the trade offered. Only finest quality unadulterated entertained. Send particulars including origin to Picot, Ltd., 14 High Park Road, Kew Gardens, Richmond, Surrey.

**WANTED,** Microscopes, all models, particularly good outfits up to £300 or £400. High prices, immediate cash. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

**WANTED,** ½-oz. to 2-oz. Bottles, screw cap or cork. Must be made prior to July, 1942. 555/730, C. & D. London Office.

**WANTED** for Spot Cash. National, Remington, and Gledhill Cash Registers, all sizes, age immaterial; any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street, W.1. Phone Museum 0941. Repairs, Sales, Exchanges.

**WANTED** by old-established firm, large or small quantities Corrugated or Fibreboard Cartons. Also Wooden Boxes. Ring or write, A. W. W., Ltd., 324 Gray's Inn Road, London, W.C.1. Terminus 5607.

**SITUATIONS WANTED**

2/6 for 18 words or less, 1d. for every additional word.

**RETAIL (HOME)**

**A** SMART qualified man (31), married, exempt military service, desires responsible post. Please reply, giving details and salary offered, 561/122, C. & D. London Office.

**E**NGAGEMENT desired, Birmingham or near; unqualified; exempt; thoroughly experienced; all branches; usual salary; first-class references; disengaged when suited. "Drugs," 64 Church Road, Erdington, Birmingham.

**Q**UALIFIED, experienced, desires change; Home counties; slight disability (not deaf); management; not N.H.I. dispensing. BMJNNE, London, W.1.

**WHOLESALE**

**PHARMACIST,** exempt, now engaged on propaganda, desires change. Very good or literary and executive ability, with a complete experience. Appointment is sought with factoring chemists (London or Home Counties) marketing ethical products, sales management, capacity. Commensurate salary expected. 561/135, C. & D. London Office.

**PRODUCTION** Manager, Druggist's. First Assistant for Manufacturing Chemists. Up all factory routine. Experienced in polish trade, well-known firm. Age 42 years. Born in Ireland. Available immediately. 561/129, C. & D. London Office.

**Q**UALIFIED, 47, after many years wishes re-enter retail, view branch manager or succession. Preferably country. State 561/130, C. & D. London Office.

**SALES/ADVERTISING** Manager, home at present. Extensive successful sales proprietary lines. Also wide buying experience. Age 41, exempt, wants responsible post with power for using initiative and ideas. Available 561/135, C. & D. London Office.

**SALES** Manager, excellent record, managing training representatives and personal requires post offering opportunity for real advancement. 561/131, C. & D. London Office.

**UNQUALIFIED,** 10 years' wholesale experience, capable of taking charge; discharged; requires permanent position in London area. 561/130, C. & D. London Office.

**BUSINESS OPPORTUNITIES**

7/6 for 40 words or less, 2d. for every additional word

**A** UNIQUE opportunity for a gentleman possessing a knowledge of Chemistry and Bacteriology business experience. The Managing Director of an old-established London Company with unlimited prospects wishes to contact such a gentleman to take his place by purchasing his shares (Preferred and Ordinary) on which 7% has just been paid. Appointment carries a salary of £600 and with entire control of business. Advertiser would agreeable to continue as Chairman in a consultative capacity. Capital necessary £6,000. Principals with this amount available. Please write in strict confidence to E. C. C., c/o Messrs. Wingfields, and Trustram, 61 Cheapside, E.C.2.

**M**ANUFACTURING Chemist in London requires labour and facilities for Packing, Filling, Wrapping. Some assistance available in the bottling, paper containers and materials. 557/130, C. & D. London Office.

**T**EXTILE and Cotton-wool Manufacturer, desirous to introduce (post-war) medicated or treated eye shields, face-masks, beauty-gloves, etc., and is pleased to contact consultant chemist able to assist and advise immediately. Write in first instance to 561/128, C. & D. London Office.

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